



INITIAL PRACTICAL EXPERIENCE SYLLABUS FOR Group 3 Aircraft

TRAINEE

Family name: _____ **First Name:** _____

License No.: _____

Date and Place of Birth: _____ **Nationality:** _____

MAINTENANCE ORGANISATION

Company Name: _____ **Ref. Nr. CH.145.** _____

LICENSE CATEGORY

EASA Part-66 B1.2 ☐

EASA Part-66 B3 ☐

TRAINING PERIOD

Starting Date: _____ **End Date:** _____

INITIAL GROUP 3 RATING:

☐

REMOVAL OF ONE LIMITATION

Metal aeroplanes ☐

Composite aeroplanes ☐

Metal tubing & fabric aeroplanes ☐

Wooden aeroplanes ☐

Pressurized aeroplanes ☐



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Logbook Owner's Name

SUPERVISOR

Lastname	First name	License Nr	Signature

With the application Form19 please include a copy of the license of all signing Supervisors.

INTRODUCTION

This Syllabus is applicable to the category B1.2 & B3 Part-66 license holder for the endorsement of the group 3 Aircraft rating. For the category B1.2 it affects „Full group 3 “ rating or for the category B3 „Full rating piston engine non pressurized airplane of 2000kg MTOM and below. The preliminary requirement to endorse a group rating in a Part-66 license are practical experience (maintenance activities) in accordance with EASA part 66.A.45 (f). The practical experience tasks must cover all relevant maintenance activities and shall be a representative cross section regarding to the required group 3.

If the applicant is not able to demonstrate the required experience the application will be refused or the license will be endorsed with a limited group rating or a single type rating/s.

Following group 3 limitations exist according Part 66.A.45:

- Wooden airplanes
- Metal tubing & fabric airplanes
- Metal airplanes
- Composite airplanes.
- Pressurized airplanes **only for B1.2**



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The wording “*competence obtained*” means that the licence holder and, if applicable, the organisation where he/ she is contracted/ employed, should ensure that he/ she has acquired the appropriate knowledge, skills, attitude and experience to maintain the aircraft of the group. Because of the nature of a group rating it is important that some systems and technology in the future or present are not covered by the syllabus. It is therefore the responsibility of the license holder after receiving the group rating to acquire the necessary competence.

INITIAL APPLICATION

For the initial application you are allowed to apply for **one** limitation (structure) only.

For this purpose use the log books: “Initial practical experience group 3 Aircraft” & the log book “Removal of limitation group 3 Aircraft”. Fill out both Syllabus according to the required group limitation.

To remove further group 3 limitations after the entry of Group 3 into the license use only log book “Removal of limitations group 3”.

GUIDANCE TO THE SYLLABUS

It is required that:

- Maintenance activities have to be performed on airplanes of at least two different manufacture and of the same limitation (structure). If the aircraft type is not listed under the group 3 Aircrafts of the appendix I list, it is necessary to get previously the FOCA permission, that the required maintenance experience tasks are allowed to perform on an Annex II aircraft.
- All **mandatory maintenance tasks marked with a letter M and bold** have to be performed.
- As of the remaining maintenance tasks at least 50% must be performed from each Chapter of the Syllabus.
- Two annual check must be performed on an aircraft corresponding to the requested limitation of the airplane structure. Please note that a signed copy of at least one annual check list must be attached to the license application for each limitation removal.
- Under the column “aircraft registration” only maintenance experience gained on aircrafts are allowed to be filled in. Activities referring to schools, modules and courses are not permitted.
- Each Log. Book must be assigned to one person only.
- All entries must be made in capital letters (signatures are excluded) and with a permanent pen.
- Corrections are accomplished by crossing out with a horizontal line and write the correction above or beside.
- Start and finishing date of the practical experience must be noted on the front page of the LOG BOOK.
- Only completed LOG BOOK's can be accepted.
- Each task performed by the trainee shall be supervised and countersigned by an *authorized certifying staff*. Collecting signature are not permitted.
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- Each task performed by the trainee shall be supervised and *countersigned* by an *authorized certifying staff*. Please Send the Form19 application including a copy of the license of all signing Supervisors.

LIST OF TASKS

AC Registration:		Aircraft type:					
AC Registration:		Aircraft type:					
ATA 05 Time limits/ Maintenance checks							
Date	Competence obtained		Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	<i>M</i>	<i>Perform two annual check i.a.w manufacturer instructions and AMP (provide a copy of the signed checklists used to FOCA)</i>					
	<i>M</i>	<i>Assist carrying out a scheduled maintenance check</i>					
	<i>M</i>	<i>Review aircraft maintenance logs for correct completion</i>					
	<i>M</i>	<i>Review records for compliance with airworthiness directives</i>					
	<i>M</i>	<i>Review records for compliance with service bulletins, service information, service letters and other available manufacturer maintenance data / information</i>					
	<i>M</i>	<i>Review records for compliance with component life limits</i>					
		Procedure for inspection following hard landing					
		Procedure for inspection following lightning strike					
	<i>M</i>	<i>Prepare/ perform ground-run</i>					
		Prepare check flight					
ATA 06 Dimensions/ Areas							
Date	Competence obtained		Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	<i>M</i>	<i>Locate component(s) by station number</i>					
		Perform symmetry check					



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ATA 07 Lifting and Shoring							
Date	Competence obtained		Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Jack aircraft on nose wheel or tail wheel					
	M	Jack complete aircraft					
		Sling or trestle major component					
ATA 08 Leveling & Weighing							
Date	Competence obtained		Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform leveling of the aircraft					
	M	Perform weight and balance of the aircraft					
		Perform weight and balance of flight controls					
	M	Perform weight and balance amendment					
	M	Check aircraft against equipment list (According Aircraft AFM or other documents)					
ATA 09 Towing and Taxiing							
Date	Competence obtained		Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Prepare aircraft for towing/ handling					
	M	Tow aircraft					
	M	Be part of aircraft towing team					
ATA 10 Parking and mooring							
Date	Competence obtained		Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Tie down aircraft					
	M	Park, secure and cover aircraft					



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ATA 11 Placards and Markings

Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	<i>M Check aircraft for correct placards</i>					
	<i>M Check aircraft for correct markings</i>					

ATA 12 Servicing

Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	<i>M Refuel aircraft</i>					
	<i>M Defuel aircraft</i>					
	<i>M Check/ adjust tire pressure</i>					
	<i>M Check/ replenish oil level</i>					
	<i>M Check/ replenish hydraulic fluid level</i>					
	Check/ replenish accumulator pressure					
	<i>M Perform servicing of hydraulic shock absorbers/ cylinders (e.g. landing gear system)</i>					
	<i>M Grease aircraft according Maintenance manual</i>					
	<i>M Perform pre-flight/ daily checks according AFM or AMM</i>					
	Connect Ground power					
	Analyse engine vibration					

ATA 18 Vibration and Noise Analysis

Date	Competence obtained	Reference	AC Re-	Trainee	Supervisor	Hours
	Analyse engine vibration					



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ATA 21/ 21A Air Conditioning/ Air Supply							
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours	
	Check operation of air conditioning and / or heating system						
	Check/ replace/ install cabin blower						
	Inspect avionics ventilation components						
	M <i>Inspect/ replace/ install air filter</i>						
	M <i>Check/ replace/ install /clean hoses and tubes of heating system</i>						
	M <i>Troubleshoot faulty system</i>						
ATA 22 Auto flight							
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours	
	M <i>Perform detailed introduction to auto flight system</i>						
	Check/ replace/ install/ adjust servos						
	Check/ replace/ install/ adjust servo clutch						
	Inspect/ adjust rig bridle cables						
	Check/ replace/ install controller						
	M <i>Check operation of auto-pilot</i>						
	Troubleshoot faulty system						
ATA 23 Communications							
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours	
	Perform detailed introduction to communication system						



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	M	Replace/ install communication unit (e.g. COMNAV unit)					
	M	Check operation of radios					
		Replace/ crimp connector					
		Check antenna					
	M	Replace/ install static discharger					
	M	Troubleshoot faulty system					
ATA 24 Electrical Power							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to electrical power system					
	M	Servicing lead/ acid battery i.a.w Manufacturer information					
	M	Check battery capacity					
	M	Check/ replace/ install battery					
	M	Check/ replace/ install generator/ alternator					
		Check of generator/ alternator mounting					
		Check/ install of generator/ alternator driven belt					
	M	Check/ replace / install switches and connectors					
		Replace / install circuit breakers					
		Check/ replace/ install voltage regulator					
		Adjust voltage regulator					
	M	Check/ replace / install of battery relay, overvoltage relay or sensor system					



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		Check/ replace/ install indicating lights					
	M	Troubleshoot faulty system					
ATA 25/ 25A Equipment/ Furnishings incl. emergency equipment							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to equipment and furnishings					
		Remove / install carpets					
	M	Remove / Install crew seats					
	M	Remove / Install passenger seats					
	M	Check/ replace/ install seats/ belts for security					
		Check emergency equipment. (Example: First Aid Kit)					
		Check ELT for compliance with regulations					
		Remove and install ceiling and sidewall panels					
ATA 26 Fire protection							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Check cabin fire extinguisher contents. (Example: Portable fire extinguisher)					
		Replace/ install new fire extinguisher					
		Check fire resistance sealing of engine compartment (wall)					
		Check fire resistance of hoses, tubes and sealing					



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ATA 27 Flight Controls

Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M <i>Perform detailed introduction to flight control system</i>					
	M <i>Inspect primary flight controls and related components</i>					
	Extend/ retract flaps					
	Check/ replace/ install flaps					
	Replace/ install flap actuator					
	Replace/ install horizontal or vertical stabiliser					
	Replace/ install/ rig/adjust elevator					
	Replace/ install/ rig/ adjust aileron					
	Replace/ install/ rig/ adjust rudder					
	Replace/ install/ rig/ adjust trim tabs					
	M <i>Rig primary flight controls</i>					
	M <i>Inspect/ replace/ control cable and fittings</i>					
	M <i>Inspect/ adjust control cable tension</i>					
	Inspect /Replace/ install pulley					
	M <i>Check/ replace/ install/ adjust push rod of aileron/ or rudder/ or elevator</i>					
	Check/ adjust flight control deflection and direction of movement.					
	M <i>Troubleshoot faulty system</i>					
	Check/ replace/ install/ adjust elevator trim/ or rudder trim/ or aileron trim					
	Inspect control tubes, connection devices (forks, eye bearings)					
	Inspect/ check of bell cranks, torque tubes, control tubes, spindles – actuators					



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		Replace/ adjust stall warning					
ATA 28 Fuel Systems							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	<i>M</i>	Perform a detailed introduction to fuel system					
	<i>M</i>	Check fuel drain system (operation)					
	<i>M</i>	Replace / install fuel drain valve					
	<i>M</i>	Perform inspection of fuel selector					
	<i>M</i>	Replace / install / inspect fuel hoses and tubes – fittings/ connectors					
	<i>M</i>	Inspect fuel lines, hoses and tubing					
	<i>M</i>	Check fuel ventilation system					
		Inspect / replace / install fuel tank cells					
		Replace /install /check fuel control valves					
		Check / calculate fuel contents manually					
		Replace / install booster pump					
	<i>M</i>	Check fuel filters					
		Perform flow check of fuel system					
		Check calibration / adjustment of fuel quantity gauges					
		Check operation feed / selectors					
	<i>M</i>	Troubleshoot faulty system					
	<i>M</i>	Refuel Aircraft					
		Deactivation/ reactivation of the fuel valves (transfer defuel, X-feed, refuel)					



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Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
ATA 29 Hydraulic Power						
	Perform a detailed introduction of hydraulic system					
	Replace/ install/ inspect pump					
	Check/ replace case drain filter					
	Replace/ install/ inspect hydraulic motor pump/ generator					
	Replace/ install/ inspect accumulator					
M	Inspect of hydraulic lines, hoses and tubing					
	Check operation of shut-off valve					
	Check indicating systems					
	Pressurization/ depressurization of hydraulic system					
M	Troubleshoot faulty system					
ATA 30 Ice and rain protection						
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
M	Perform a detailed introduction of ice and rain protection system					
	Check operation of anti-ice/ de-ice systems					
	Operational test the pitot-probe ice protection					
	Operational test of the wing ice protection system					
	Replace/ install timer					



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		Inspect/ repair propeller or wing de-ice boot					
		Inspect/ test propeller de-icing system					
		Inspect/ test wing leading edge de-icing boot					
		Inspect/ replace anti-ice/ de-ice valve					
		Perform inspection of lines, hoses and tubing of liquid ice protection systems					
	M	Troubleshoot faulty system					
ATA 31 Indicating/ recording systems							
Date		Competence obtained		AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform a detailed introduction of indicating and recording systems					
		Check/ replace/ install clock					
		Perform BITE test of the indicating / recording systems					
		Inspect correct markings of indicators					
	M	Replace/ install/ inspect air speed indicators					
		Replace/ install/ inspect altimeter indicators					
		Replace/ install/ inspect vertical speed indicators					
		Perform inspection and/ or change of instrument hoses and tubing					
		Replace/ install/ inspect gyro					
		Replace/ install/ inspect oil pressure indicators					
		Replace/ install/ inspect fuel indicators					
		Replace/ install/ inspect manifold indicators					
	M	Replace/ install/ inspect RPM indicators					
		Replace/install/ inspect voltage/ current indicator					



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		Troubleshoot faulty system					
ATA 32 Landing Gear							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform a detailed introduction of landing gear					
	M	Change a tyre					
	M	Check/ replace/ install nose or main wheel					
	M	Inspect wheels (tube, tyre, wheel half's, bearings)					
	M	Lubricate wheel bearings					
	M	Inspect / replace/ install break tubing, and / or hoses, brake linings & break disks					
	M	Check / replace / install of parking brake valve					
	M	Bleed brakes					
		Check / test / adjust gear retraction system.					
		Replace / install gear retraction actuator.					
		Check / replace / install unlock / down lock assembly					
		Adjust micro switches/ sensors					
		Replace/ install/ service shimmy damper					
		Rig nose wheel steering					
	M	Test nose/ or tail wheel steering system					
		Service/ replace/ install shock strut seals					
	M	Check and servicing brakes					



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ATA 33 Lights						
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	Check/ replace/ install rotating beacon or flashlight					
	M Check/ replace/ install landing lights					
	M Check/ replace/ install instrument lights					
	M Check/ replace/ install navigation lights					
	M Check/ replace/ install interior lights					
	M Check/ replace/ install wiring and connectors of lighting system					
	M Troubleshoot faulty system					
ATA 34 Navigation						
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	Perform detailed introduction to navigation system					
	M Check/ replace/ install pitot-static probe					
	M Perform pitot-static system leak test					
	Replace/ install magnetic compass					
	M Test/ adjust magnetic compass					
	Check/ replace/ install directional gyro					
	Check/ replace/ install attitude gyro					
	Replace/ install HSI					
	Check/ replace/ install VOR unit					



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	Check/ replace/ install ADF unit					
M	Check/ replace/ install Transponder unit					
	Perform functional check of GPS system					
	Inspect antennas					
M	Inspect wiring and connectors of navigation systems					
ATA 35 Oxygen						
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	Perform detailed introduction to oxygen system					
	Inspect on board oxygen equipment					
	Inspect oxygen mask, bottle and regulator					
	Inspect oxygen hoses and tubing					
	Purge and recharge oxygen system					
	Replace/ install regulator					
	Troubleshoot faulty system					
ATA 37 Vacuum systems						
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
M	Perform detailed introduction to vacuum system					
	Inspect the vacuum system					
M	Check/ replace filters					



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		Perform inspection of vacuum system's hoses and tubing					
	M	Replace/ install vacuum pump					
		Adjust regulator					
	M	Troubleshoot faulty system					
ATA 51 Standard practices and structure (damage classification, assessment and repair)							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Choose one type rating limitation out of the syllabus" Removal of limitation"					
ATA 52 Doors							
Date		Competence obtained	Reference	AC Regis- tration	Trainee Signature	Supervisor Signature	Hours
		Inspect passenger door/ canopy					
	M	Rig/ adjust locking mechanism					
		Check operation of emergency exits					
		Test door warning system					
		Troubleshoot faulty locking system					
		Remove and install passenger door					
		Remove and install emergency exit					
		Inspect cargo door					
ATA 53 Fuselage							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Inspect stringers, spars, ribs, bulkheads					



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		Inspect former/ connectors/ attachments					
	M	Inspect surface (dents, cracks, holes, lose rivets)					
ATA 55 Stabilizers							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Inspect stringers, spars, ribs					
		Inspect former/ connectors/ attachments					
	M	Inspect surface (dents, cracks, holes, lose rivets)					
		Check for disbanding					
ATA 56 Windows							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Check windshield and cabin window					
		Replace/ install window					
	M	Repair transparency of windows					
	M	Inspect windows					
		Inspect sealing					
ATA 57 Wings							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
		Inspect stringers, spars, ribs					
		Inspect connectors/ attachments					



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	M	Inspect surface (dents, cracks, holes, lose rivets)					
	M	Inspect main bolts					
		Check/ replace/ install hinges/ bearings					
		Check for disbanding					
ATA 61 Propeller							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to propeller					
		Check/ assemble propeller after transportation					
	M	Replace/ install propeller					
		Perform propeller adjustments (basic adjustments)					
		Replace/ install governor					
		Perform governor adjustments					
		Check operation during ground run					
	M	Check propeller track					
		Troubleshoot faulty system					
	M	Inspect propeller bolt and nuts					
	M	Inspect propeller spinner and propeller hold down plates					
	M	Inspect propeller blades					
		Dynamically balance of propeller					
		Assess/ repair of propeller – blade damage					
	M	Perform re-torque check after installation of propeller					
	M	Perform check of security of propeller bolts					



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ATA 71 Power plant						
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	Perform detailed introduction to piston engines . (Gasoline)					
	M Perform detailed introduction to engine (Diesel)					
	Inspect/ replace/ install engine mount					
	M Inspect/ replace/ install shock mounts					
	Replace/ install engine					
	Inspect/ replace/ install engine drains/ breather lines					
	M Perform troubleshooting on gasoline piston engine					
	Perform troubleshooting on diesel engine					
	Perform conservation of engine					
	M Perform and Assist in engine start/ ground run					
ATA 72 Piston Engines						
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M Perform detailed introduction to engine					
	M Perform detailed introduction to engine FADEC systems					
	M Perform differential pressure inspection					
	M Perform compression check					
	Perform leakage check on crankcase					



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		Perform penetrate inspection of cracks					
		Perform boroscope inspection					
		Check crankshaft run-out					
		Perform internal corrosion check of crankshaft					
	M	Replace/ check/ install cylinder					
		Extract/ replace broken stud					
		Check tappet clearance					
		Inspect/ replace/ install accessory housings					
		Perform engine ground run and adjustments (power verification)					
	M	Perform at least one unscheduled maintenance inspection Note: Detail performed inspection and attach it to the application					
		Troubleshoot faulty system					

ATA 73 Fuel and control

Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to fuel system					
	M	Check/ replace/ install engine driven pump					
		Check/ replace/ install electric pump					
	M	Inspect/ replace/ install fuel filter					
		Check/ replace/ install primer system/ hoses/ lines					
		Check/ replace/ install fuel hoses, tubing					
	M	Check/ replace/ install check carburettor/ injector					



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	M	Inspect/ drain carburettor float chamber					
		Inspect carburettor internal fuel filter					
		Check internal carburettor fuel primer system					
	M	Check/ adjust carburetion/ injection control linkage					
		Check/ replace/ install fuel flow divider.					
		Inspect/ clean/ replace/ install injector nozzles					
	M	Adjust idle mixture					
		Adjust primer system					
		Synchronise carburettors					
		Adjust injector system					
		Troubleshoot faulty system					
ATA 74 Ignition systems, piston							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to ignition system i.a.w. manufacturer instructions					
		Inspect installation of engine ignition components					
	M	Inspect/ clean/ adjust ignition sparkplugs					
		Check/ replace/ install ignition harness					
		Check/ replace/ install ignition harness fitting					
	M	Inspect/ replace/ install magneto					
		Check/ adjust basic timing of magneto					
		Inspect/ replace/ install ignition vibrator					



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	M	Check/ replace/ install ignition switch					
		Check/ replace/ install FADEC or LASAR					
		Check system bonding					
		Establish/check reference RPM					
	M	Troubleshoot faulty system					
ATA 75 Cooling							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to cooling system					
	M	Check/ repair / install, inspect cooling baffles					
	M	Inspect/ repair cowl					
		Check/ repair / install cowl flaps					
		Adjust cowl flaps					
		Inspect/ replace/ install alternate air valve and air filter					
		Inspect/ replace/ install control air valve control cable					
		Perform inspection of liquid cooling system					
		Inspect/ replace/ install radiator					
		Perform refilling of coolant					
	M	Troubleshoot faulty system					



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Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
ATA 76 Engine Controls						
<i>M</i>	Perform detailed introduction to engine controls					
	Check/ replace ECU					
	Check/ replace/ rig mixture lever					
<i>M</i>	Check/ replace/ rig throttle lever					
	Check/ replace/ rig propeller lever					
	Seal firewall after replace of control cable					
	Check control sync (multi-engine)					
<i>M</i>	Check controls for correct assembly and locking					
<i>M</i>	Check controls for range and direction of movement					
	Check controls system. (Linkage)					
<i>M</i>	Troubleshoot faulty system					
ATA 77 Engine Indicating						
Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
<i>M</i>	Perform detailed introduction to engine indicating					
	Check/ replace/ install engine instruments					
<i>M</i>	Check/ replace/ install oil temperature bulb					
	Check/ replace/ install exhaust gas temperature bulb					
<i>M</i>	Check/ replace/ install oil pressure sensor					



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		Check/ replace/ install manifold pressure indicator					
		Check/ replace/ install fuel flow indicator					
	M	Check/ replace/ install RPM indicator					
		Check calibration of instruments					
	M	Check marking of instruments according AFM and/ or AMM					
	M	Troubleshoot faulty system					
ATA 78 Exhaust, piston							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to exhaust system					
	M	Perform visual inspection of exhaust system					
	M	Check, replace exhaust gasket					
	M	Inspect welded joints on exhaust components					
	M	Check exhaust heater system					
	M	Troubleshoot faulty system					
ATA 79 Oil							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to oil system					
	M	Change oil/ check oil level					
	M	Check / replace/ install oil filter					
	M	Cut oil filter and perform visual inspection					



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	M	Inspect/ adjust pressure relief valve					
		Inspect/ replace/ install oil tank					
		Inspect/ replace/ install oil pump					
	M	Inspect/ replace/ install oil cooler					
	M	Clean oil cooler					
		Check/ replace/ install oil lines, tubing					
	M	Inspect chip detectors, magnetic plugs					
	M	Troubleshoot faulty system					
ATA 80 Starting							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to starting system					
	M	Replace, inspect starter motor					
		Perform inspection of starter gear and pinion					
		Check starter gear clutch					
	M	Check/ replace/ install starter relay					
	M	Inspect/ repair faulty wiring					
	M	Troubleshoot faulty system					
ATA 81 Turbines, piston engines							
Date		Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to turbine systems in piston engines (turbochargers)					



Initial Practical Experience for Group 3 Aircraft

Logbook Owner's Name

	M	Inspect/ replace/ install turbocharger					
		Inspect/ replace/ install heat shields					
	M	Inspect/ replace/ install waste gate					
		Check turbo compressor blades					
		Check turbo compressor lubrication system					
		Check turbo compressor regulation valve (waste gate)					
		Adjust turbo compressor regulation valve (waste gate)					
		Adjust density controller					
		Perform troubleshooting					

ATA 83 Accessory gear boxes

Date	Competence obtained	Reference	AC Re- gistration	Trainee Signature	Supervisor Signature	Hours
	Perform detailed introduction to accessory gear boxes					
	Inspect gearbox					
	Remove/ install components on reduction gear box					
	Check propeller reduction gear					
	Check propeller reduction gear clutch					