



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

B2 PRACTICAL EXPERIENCE SYLLABUS FOR Full Group 3 Rating

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 B2



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Logbook Owner's
Last Name

First Name

TRAINING PERIOD

Starting Date:

End Date:

.....

MENTOR

Last Name	First Name	License Nr	Signature

Each task performed by the trainee have to be supervised and countersigned by an authorized certifying staff.

[Attach](#) with the application (Form19) a copy of the certification authorization of all signing Supervisors.

INTRODUCTION

This syllabus is applicable to the category B2 Part-66 license holder only for the endorsement of the Full GROUP 3 Aircraft rating.

The preliminary requirements to endorse a group rating in a Part-66 license are practical experience (maintenance activities on operating aircraft) 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 the required full group 3.

If the applicant is not able to demonstrate the required experience or the application is incomplete, the application maybe refused or the li-cense will be endorsed only with a single type rating.



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The wording "competence obtained" as mentioned under 66.A.20(b)3 means that the license holder and, if applicable, the organisation where he / she is contracted or 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 tasks, 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

Following items have to be completed for the initial application:

- EASA Form 19
- FOCA Basic practical Logbook
- All required Modules acc. Appendix I Basic knowledge requirements
- B2 practical experience syllabus for Full group 3 rating

GUIDANCE TO THE SYLLABUS

It is required that:

- Maintenance activities have to be performed on airplanes of at least two different manufacturers. If the aircraft type is not listed under the Part-66 appendix I list "group 3 Aircrafts", 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 the letter M and bold** have to be performed.
- As of the remaining maintenance tasks at least 50% have to be performed from each ATA chapter of the syllabus.
- One annual check must be assisted on aircraft. Please note that signed copies of at least one annual checklist must be attached to the license application.
- Under the column "aircraft registration" only maintenance experience gained on operating aircrafts are allowed to be filled in. Activities referring to schools, modules, simulators and courses are not permitted.
- Each Log Book is 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.



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- Only completed LOG BOOK's are accepted.
- Each task performed by the trainee shall be supervised and counter signed by an authorized certifying staff. Collecting signatures are not permitted.
- Under the rubric "reference", fill in the work instruction used. (for instance, AMM 12-10-00)
- Empty columns may be used to replace a given task with a more convenient task applicable to the available aircraft type. Mandatory tasks are excluded from this.

LIST OF TASKS

AC Registration:		Aircraft type:					
AC Registration:		Aircraft type:					
ATA 05 Time limits / Maintenance checks							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform job preparation for 100/annual hour check (general aviation aircraft).					
	M	Assist carrying out a scheduled maintenance check i.a.w. AMM or any other manufacturer instruction for continued airworthiness (ICA).					
	M	Review aircraft maintenance logs for correct completion.					
	M	Review records for compliance with airworthiness directives.					
		Review records for compliance with service bulletins, service information, service letters and other available manufacturer maintenance data/ information.					
		Review records for compliance with component life limits.					
		Perform job preparation for unscheduled maintenance inspections according aircraft manufacturer maintenance data / information.					
		Prepare procedure for inspection following lightning strike.					
		Perform at least one unscheduled maintenance inspection according to aircraft manufacturer maintenance data/information.					



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ATA 06 Dimensions/ Areas							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Locate components by station number.					
ATA 07 Lifting and Shoring							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Jack complete aircraft .					
ATA 08 Leveling & Weighing							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform leveling of the aircraft.					
	M	Perform weight and balance amendment.					
		Check aircraft against equipment list (According Aircraft AFM / Mel or other documents)					
ATA 09 Towing and Taxiing							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Prepare aircraft for towing / handling					
	M	Perform towing of aircraft					



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ATA 10 Parking and mooring							
Date	Competence obtained		Reference	AC Registration	Trainee Signature	Supervisor Signature	Hours
		Tie down aircraft.					
		Park, secure and cover aircraft.					
ATA 11 Placards and Markings							
Date	Competence obtained		Reference	AC Registration	Trainee Signature	Supervisor Signature	Hours
	M	Check aircraft for correct placards (Ref. AFM Limitations, AFM Supplements, TCDS).					
	M	Check aircraft for correct markings according to SR 748.216.1, FOCA Ordinance of September 6, 1984, on Aircraft Registration Marks.					
ATA 12 Servicing							
Date	Competence obtained		Reference	AC Registration	Trainee Signature	Supervisor Signature	Hours
	M	Refuel aircraft.					
	M	Defuel aircraft.					
	M	Connect Ground power.					
		Perform pre-flight / daily checks according to AFM or AMM .					
ATA 21 Air Conditioning/ Air Supply							
Date	Competence obtained		Reference	AC Registration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to Air Conditioning System according to AMM or any other manufacturer information's.					



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ATA 22 Auto flight							
Date		Competence obtained	Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to auto flight system.					
	M	Replace / Install servos.					
	M	Perform Adjustments on servos.					
		Perform Inspection, Adjustment of Rig bridle cables.					
	M	Replace / install controller.					
	M	Check operation of autopilot.					
	M	Troubleshoot faulty system.					
		Perform relevant electrical test, adjustment of autopilot system acc. AMM.					
		Check and adjust servo clutch.					
		Perform autopilot gain adjustments.					
		Function check Auto pilot annunciator panel.					
		Function check A/P disconnect switch.					
		Function check Trim switch.					
ATA 23 Communications							
Date		Competence obtained	Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to communication System acc. AMM or any other manufacturer information (pay close attention to) all electrical components or units.					
	M	Replace / install VHF COM unit.					
	M	Perform operational test with VHF.					
		Function check Headset					



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		Check PTT Switch.					
		Replace / Install HF com unit. (if applicable)					
		Perform operational test with a HF frequency. (if applicable)					
	M	Functional check audio integrating system.					
	M	Replace / Install static discharge wicks.					
	M	Replace / Install or repair co-axial cable.					
	M	Perform antenna VSWR check.					
		Replace / Install existing antenna.					
	M	Troubleshoot faulty system.					

ATA 24 Electrical Power

Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to electrical power system.					
	M	Charge lead / acid battery.					
	M	Servicing lead / acid battery i.a.w Manufacturer instruction for continued airworthiness.					
	M	Charge NiCad battery.					
		Assist Servicing NiCad i.a.w Manufacturer instruction for continued airworthiness or CMM.					
		Assist Deep-cycle NiCad battery test.					
	M	Replace / install battery.					
	M	Replace / Install generator and / or alternator.					
	M	Perform check of a generator and / or alternator.					
	M	Replace and install switches and connectors.					
		Repair switches and connectors.					



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	M	Replace / install circuit breakers.					
	M	Perform functional check of voltage regulator.					
		Replace voltage regulator.					
	M	Adjust voltage regulator.					
	M	Check / replace / install of battery relay, overvoltage relay or sensor system					
	M	Check / replace / install indicating lights.					
	M	Perform standard maintenance inspection / repair / replacement / installation of electrical wire, connectors according to AMM, any other manufacturer instruction or AC 43.13.					
	M	Troubleshoot faulty system.					
	M	Perform an electrical load analysis of the system (avionics included).					

ATA 25/ 25A Equipment/ Furnishings incl. emergency equipment

Date	Competence obtained	Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	Perform detailed introduction to equipment and furnishings.					
	M Check ELT or PLB for compliance with regulations.					
	M Check ELT for correct programming and registration (COSPAS-SARSAT).					
	M Perform ELT functional check.					
	Battery change of ELT (if allowed).					



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ATA 26 Fire protection							
Date	Competence obtained		Reference	AC Registration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction fire protection system according to AMM or any other manufacturer information.					
	M	Check / test operation of fire / smoke detection and warning system (if applicable).					
ATA 27 Flight Controls							
Date	Competence obtained		Reference	AC Registration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to flight control system.					
	M	Replace/ adjust stall warning.					
		Troubleshoot faulty system.					
		Replace / adjust stall warning.					
ATA 28 Fuel Systems							
Date	Competence obtained		Reference	AC Registration	Trainee Signature	Supervisor Signature	Hours
	M	Perform a detailed introduction to fuel system.					
	M	Check calibration / adjustment of fuel quantity gauges.					
		Check calibration/adjustment of fuel quantity gauges (just for integrated electronic systems).					
	M	Troubleshoot faulty system.					
	M	Replace / install / inspect fuel indicators.					
	M	Replace / install / inspect fuel transmitter.					



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ATA 29 Hydraulic Power							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform a detailed introduction of hydraulic system.					
		Check filters / clog system and indicator.					
	M	Check indicating System.					
	M	Troubleshoot faulty system.					
ATA 30 Ice and rain protection							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform a detailed introduction of ice and rain protection system.					
		Operational test of pitot-probe ice protection.					
		Replace/ install timer.					
	M	Troubleshoot faulty system.					
ATA 31 Indicating/ recording systems							
Date	Competence obtained			AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform a detailed introduction of indicating and recording systems.					
		Check / replace / install clock.					
		Perform BIT- test of the indicating / recording systems (if available).					
		Replace / install / inspect voltage / current indicator.					
	M	Troubleshoot faulty system.					



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	M	Implement ESD (Electro Static Discharge) procedures.					
		Start / stop / update EIS (Electronic Indication System) procedure.					
		Replace / install / inspect oil pressure indicators.					
		Perform inspection and / or change of instrument hoses and tubing.					
		Inspect correct marking of indicators.					
ATA 32 Landing Gear							
Date		Competence obtained	Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform a detailed introduction of landing gear.					
	M	Replace / Adjust micro switches / sensors (Gear indication / WOW).					
ATA 33 Lights							
Date		Competence obtained	Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Check / replace / install beacon or flashlight.					
	M	Check / replace / install landing lights.					
	M	Check / replace / install instrument lights.					
	M	Check / replace / install navigation lights.					
		Check / replace / install interior lights.					
	M	Check / replace / install wiring and connectors of lighting system.					
	M	Troubleshoot faulty system.					
		Check/ repair/ Install/ replace emergency lighting system.					
		Perform emergency lighting system checks.					



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ATA 34 Navigation							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to navigation system according to AMM or any other man- ufacturer instruction.					
		Perform inspection of instrument markings according to AFM.					
		Check operation of directional gyro.					
		Replace / install Compass.					
		Check / replace / install pitot-static probe.					
	M	Clean / check moister trap.					
	M	Replace / install / test altimeter indicators.					
	M	Replace / install / test vertical speed indicators.					
	M	Replace / Install / test inspect airspeed indicator.					
		Replace / Install air data computer.					
	M	Perform adjustment / test of air data computer.					
	M	Perform pitot-static system leak test.					
	M	Perform calibration test of the pitot static system.					
	M	Perform compass swing check and adjustment of magnetic compass.					
	M	Check / replace / install directional gyro					
	M	Check / replace / install vertical gyro					
	M	Check / replace / adjust Flux valves					
	M	Replace / install HSI.					
	M	Replace / Install ADI.					
		Replace / install NAV unit.					



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	M	Functional check VOR.					
	M	Ramp Test ILS / GS.					
	M	Inspect antennas.					
		Check / replace / install DME.					
	M	Functional check DME.					
		Check / replace / install ADF unit.					
		Functional check ADF.					
	M	Perform functional check of GPS system.					
	M	Inspect wiring and connectors of navigation systems.					
	M	Perform Functional check of TCAS / TAS.					
	M	Functional check ATC Transponder.					
	M	Check / replace / install Transponder unit					
	M	Calibration test of pressure altitude reporting system ATC.					
		Functional check AHRS / inertial nav system.					
	M	Functional check flight director system.					
		Check MB (Marker Beacon) systems.					
	M	Replace / Install / test EFIS (Electronic Flight Instrument System).					
		Check EFB (Electronic Flight Bag) power source.					
	M	Perform update / change of Navigation software.					
		Check / replace / install Turn coordinator.					
	M	Check Flarm.					
		Troubleshoot faulty system.					



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ATA 35 Oxygen							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to oxygen system according to AMM or any other manufacturer information.					
ATA 36 Pneumatic systems							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to navigation system according to AMM or any other manufacturer information.					
ATA 37 Vacuum systems							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to vacuum system according to AMM or any other manufacturer information.					
		Inspect the vacuum system.					
ATA 45 Central Maintenance System							
	N/A						
Metal – Structures							
ATA 51 Standard practices and structure (damage classification, assessment and repair)							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to standard practices and structure according to AMM or any other manufacturer information.					



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Composite – Structures							
ATA 51 Standard practices and structure (damage classification, assessment and repair)							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to standard practices and structure according to AMM or any other manufacturer information.					
Wooden – structure							
ATA 51 Standard practices and structure (damage classification, assessment and repair)							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to standard practices and structure according to AMM or any other manufacturer information.					
Metal tubing covered with fabric – structure							
ATA 51 Standard practices and structure (damage classification, assessment and repair)							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to standard practices and structure according to AMM or any other manufacturer information.					
ATA 61 Propeller							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to propeller according to AMM or any other manufacturer information.					



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ATA 71 Power plant								
Date	Competence obtained			Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	N/A							
ATA 72 Piston Engines								
Date	Competence obtained			Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to engine systems according to AMM or any other manufacturer information.						
	M	Perform detailed introduction to engine FADEC systems.						
ATA 73 Fuel and control								
Date	Competence obtained			Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to fuel system according to AMM or any other manufac- turer information.						
ATA 74 Ignition systems, piston								
Date	Competence obtained			Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to ignition system according to AMM or any other manu- facturer information.						
		Inspect / replace / install magneto.						
		Check / adjust basic timing of magneto.						
		Check / replace/ install ignition switch.						
		Check / replace / install FADEC or LASAR.						
	M	Troubleshoot faulty system.						



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ATA 75 Cooling							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to cooling system according to AMM or any other manufacturer information.					
ATA 76 Engine Controls							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to engine controls according to AMM or any other manufacturer information.					
ATA 77 Engine Indicating							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to engine indicating according to AMM or any other manufacturer information.					
	M	Check / replace / install engine instruments.					
	M	Check / replace / install oil temperature bulb / indicator.					
		Check / replace / install exhaust gas temperature bulb.					
		Check / replace / install oil pressure bulb, indicator.					
	M	Check / replace / install manifold pressure indicator.					
		Check / replace / install fuel flow indicator.					
	M	Check / replace / install RPM indicator.					
	M	Check marking of instruments according to AFM and/ or AMM.					
	M	Troubleshoot faulty system.					

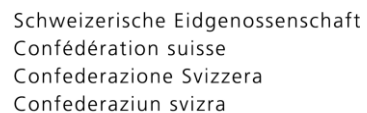


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ATA 78 Exhaust, piston							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
		Perform detailed introduction to exhaust system according to AMM or any other manufacturer information.					
ATA 79 Oil							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to oil system according to AMM or any other manufacturer information.					
		Check / replace Oil pressure Indicator.					
ATA 80 Starting							
Date	Competence obtained		Reference	AC Regist- ration	Trainee Signature	Supervisor Signature	Hours
	M	Perform detailed introduction to starting system according to AMM or any other manufacturer information.					
		Check / replace / install starter relay.					
		Inspect / repair faulty wiring.					
		Troubleshoot faulty system.					



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Additional remarks: Note each additional maintenance task which was performed by trainee in the following columns

[illegible]