

Practical experience Group 2 and Group 3 Aircraft, cat. B2: Avionics and Electrical systems.

This logbook is to be used to record details of B2 experience on Group 2 and Group 3 Aircraft type rating(individual or subgroup). This logbook is based on AMC/GM appendix II.

B2 experience can be demonstrated for Group 2 and Group 3 aeroplanes (ref Guidance material to Part-66 section A).

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.

This logbook is used to record B2 experience on the following Group 2 or Group 3 aeroplane(s):

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

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1.Details applicant

Name :
Surname :
Nationality :
Address :
Postal Code :

2. Details Company:

Company Name :
Address :
Part-145 recognition No :

3. Details Supervisor/CS

Company Name:	Address:	Part 145 Approval reference:	
Supervisor name:	AML License No*	Company authorisation No:	Signature:
Supervisor name:	AML License No*	Company authorisation No:	Signature:
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:
Supervisor name:	AML License No*	Company authorisation No:	Signature:
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. Duration Experience:

Indicate in which period the experience is achieved.

Start date	End date	Company	Total Duration

5. 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.					
	Prepare for aircraft towing.					

ATA	Task title	Aircraft type	Aircraft reg.	Performed by:(sign)	Supervised by: (sign)	Date
09	Towing and Taxiing					
	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					
	Check/replenish accumulator pressure.					
	Connect ground power.					
	Perform preflight/daily check.					

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21	Air conditioning					
	Replace pressurisation controller.					
	Deactivate/reactivate avionics ventilation components.					
	Check operation of air conditioning/heating system.					
	Check operation of pressurisation system.					
	Trouble shoot faulty system.					
22	Autoflight					
	Install servo's.					
	Rig bridle cables.					
	Replace controller.					
	Replace amplifier.					
	Replacement of the auto-flight system LRU's in case of fly-by-wire aircraft					
	Check operation of auto-pilot					
	Check operation of yaw damper.					
	Check and adjust servo clutch.					
	Perform auto-pilot gain adjustments.					
	Perform mach trim functional check.					
	Check flight management system					
	Troubleshoot faulty system					

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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.					
	Function check audio integrating.					
	Repair coaxial cable.					
	Troubleshoot faulty system.					
24	Electrical Power					
	Charge lead/acid battery.					
	Charge ni-cad battery.					
	Check battery capacity.					
	Deep-cycle ni-cad battery.					
	Replace integrated drive/generator/alternator.					

24	Electrical Power (continue)					
	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.					
25	Equipment/Furnishings					
	Check seats/belts for security.					
	Check emergency equipment.					
	Check ELT for compliance with regulations.					
	Remove and install ceiling and sidewall panels.					
	Change cabin configuration.					
	Test cargo loading system.					

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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					
	Check control range and direction of movement.					
	Check for correct assembly and locking.					
	Functional test of primary flight controls					
	Functional test of flap system.					
	Operational test of the side stick assembly.					
	Operational test of the THS.					

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28	Fuel					
	Water drain system (operation).					
	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.					
	Deactivation/reactivation of the fuel valves (transfer defuel, X-feed, refuel)					
	Troubleshoot faulty system.					
29	Hydraulics					
	Check/replace case drain filter.					
	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.					
	Troubleshoot faulty system.					

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30	Ice and Rain protection					
	Replace timer.					
	Inspect repair propeller de-ice system.					
	Test propeller de-icing system.					
	Inspect/test wing leading edge de-icer boot(s).					
	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.					

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31	Indicating/recording systems (continue)					
	Start/stop EIS procedure.					
	Bite test of the CFDU.					
	Ground scanning of the central warning system.					
32	Landing Gear					
	Replace brake fan.					
	Test anti skid unit.					
	Adjust micro switches/sensors.					
	Test auto-brake system.					
	Check/test emergency landing gear extension (alternate).					
	Operational test landing gear doors.					

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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 checks.					
	Troubleshoot faulty system.					
34	Navigation					
	Calibrate magnetic direction indicator.					
	Replace airspeed indicator.					
	Replace altimeter.					
	Replace air data computer.					
	Replace VOR unit.					
	Replace ADI.					
	Replace HIS.					
	Check operation of directional gyro.					

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34	Navigation					
	Functional check weather radar					
	Functional check Doppler.					
	Functional check TCAS.					
	Functional check ATC transponder.					
	Functional check flight director.					
	Functional check inertial nav system					
	Complete quadrantal error correction of ADF system.					
	Update flight management system.					
	Check calibration of pressure altitude reporting system.					
	Check pitot static system for leaks.					
	Check calibration of pitot static instrument.					
	Compass replacement direct/indirect.					
	Check Satcom.					
	Check GPS.					
	Test AVM.					
	Troubleshoot system.					

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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.					
36	Pneumatic systems					
	Replace computer.					
	Recharge dessicator.					
	Adjust regulator.					
	Check for leaks.					
	Troubleshoot faulty system.					

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38	Water/waste systems					
	Perform water heater functional check.					
	Troubleshoot faulty system.					
45	Central Maintenance system					
	Retrieve data form CMU.					
	Replace CMU.					
	Perform Bite check.					
	Troubleshoot faulty system.					
77	Engine indicating					
	Check calibration.					
	Replace engine instrument(s).					
	Troubleshoot faulty system.					

