



Aircraft Maintenance Technician's Log Book
Section 1. Personal Data

Section 1. Personal Data

Title:	Forename(s):
Surname:	Date of Birth:
Nationality:	Licence No:
Permanent Address:	
Change of Permanent Address:	
Post Code:	Change of Post Code:
Log Book Holder's Name: Signature:	



Aircraft Maintenance Technician's Log Book

Section 1. Personal Data

Record of Training

It is important to note that the logbook holder may not certify his/her own entries. However, certain pages require the name of the logbook holder. This is primarily for traceability and identification purposes, particularly when logbook pages are separated from the logbook and used in isolation.

Type of Training Completed	Training Organization	Date		Result
		From	To	
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book
Section 2. Employment Record

Section 2. Employment Record

Employer:		
From:	To:	Position in Company:
Nature of Duties:		
Types of aircraft or other products:		
Confirmed by:		
Signature:	Date:	Position in Company:
Employer:		
From:	To:	Position in Company:
Nature of Duties:		
Type of aircraft or other products:		
Confirmed by:		
Signature:	Date:	Position in Company:
Log Book Holder's Name: Signature:		



Aircraft Maintenance Technician's Log Book

Section 3. Instructor/ Supervisor Details

Section 3. Instructor/ Supervisor Details

The instructor/ supervisor named below sign and confirm that the trainee (log book holder) named in the section 1 has completed the required tasks under his/ her instruction/ supervision, and is able to safely perform the task signed by him/her.

The Task Supervisor/ Instructor are approved by the CAAV and may be any one of the following:

- (1) An appropriately qualified VAR Part-9 training instructor authorised by the organisation under the terms of its approval to conduct practical training or OJT (on the job training).
- (2) An appropriately qualified licensed aircraft maintenance engineer employed by a VAR Part-5 maintenance organisation and authorised to conduct OJT.

No.	Full Name	Staff ID	Company/ Department	Signature, Stamp or Licence Number
1.				
2.				
3.				
4.				
5.				
6.				

Log Book Holder's Name: **Signature:**



Aircraft Maintenance Technician's Log Book
Section 3. Instructor/ Supervisor Details

No.	Full Name	Staff ID	Company/ Department	Signature, Stamp or Licence Number
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				

Log Book Holder's Name: Signature:



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Section 4. Basic Skills

This section is to record the achievement of practical competencies required to show completion of the appropriate category. The basic skill credits may be obtained before or after the basic training course and valid within 10 (ten) years to the date of application for the license. The skills identified in this section relate directly to corresponding license privileges:

- + The required training and assessment may be carried out on in-service aircraft, in workshops, on training equipment or on simulators.
- + Each entry must be confirmed by an instructor/ supervisor, with his/her signature, position and organization details, to indicate that the logbook holder has achieved the required competence on the subject.
- + A specific task should only be entered once. There is no requirement to make multiple entries for the same or similar tasks.
- + The skills that are not applicable to corresponding license privileges may not be required and specified by entering "N/A" in "Instructor/ Supervisor Signature and/or Stamp" column.

Log Book Holder's Name: **Signature:**



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	1. General Aircraft Maintenance			
	1.1 Awareness of hazards when working with aircraft – noise, heat, moving surfaces, propellers, intakes, exhausts.	A, B1, B2		
	1.2 Safety precautions when using fluids, gasses and chemicals.	A, B1, B2		
	2. Mechanical Fitting Practices (Common)			
	2.1 Related safety practices.	B1		
	2.2 Use a range of hand tools and power tools to achieve a dimensional accuracy of ± 0.010 in / 0.25 mm.	B1		
	2.3 Interpret and work to engineering drawings.	B1		
	2.4 Use basic tools and equipment for: cutting, forming and joining commonly used materials. (Ferrous and non-ferrous).	B1		
	2.5 Mark out use measuring equipment e.g. micrometers, rulers, verniers, height gauges, squares, vee blocks and surface tables.	B1		
	2.6 Select and use feeler, slip, limit, go / no go gauges.	A, B1		
	2.7 Fit and remove thread inserts.	A, B1		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	2.8 Drill and tap a threaded hole.	B1		
	2.9 Drill and ream perpendicular holes in ferrous and non-ferrous material.	B1		
	3. Assembly / Disassembly Practices (Common)			
	3.1 Apply correct procedures: Material storage and handling.	B1, B2		
	3.2 Identification of a range of materials.	B1, B2		
	3.3 Cleaning and Contamination control.	A, B1, B2		
	3.4 Use of a range of common assembly and disassembly tools plus specific application tools.	A, B1, B2		
	3.5 Adjust, set and use torque spanners.	A, B1, B2		
	3.6 Identify standards and specifications of common use parts i.e. nuts, bolts, washers and split pins.	A, B1, B2		
	3.7 Identify part numbers and serial numbers from an approved component overhaul manual or illustrated parts catalogue.	A, B1, B2		
	3.8 Fit and remove a range of common use components e.g. split pins, tabs, spring and plain washers, plain and lock nuts.	A, B1, B2		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	3.9 Demonstrate competence when wire locking a variety of assemblies.	A, B1, B2		
	3.10 Measure shafts, bores, flanges, and adjacent surfaces using a variety of precision measuring instruments & record dimensions.	B1		
	3.11 Disassemble and assemble an aircraft component IAW manufacturer's overhaul manual.	B1, B2		
	4. Wiring and Looming (Common)			
	4.1 Identify cables and cables values by reference to the maintenance manuals.	B1, B2		
	4.2 Identify a range of electrical component symbols.	B1, B2		
	4.3 Interpret typical electrical wiring diagrams and schematics circuits.	B1, B2		
	4.4 Select and use appropriate cable stripping tools.	B1, B2		
	4.5 Using at least two crimping systems, select appropriate cable crimping tools and crimp cables to prepare cable ends or plug / socket terminals.	B1, B2		
	4.6 Solder cables to single and multi-pin connectors / tag boards.	B1, B2		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	4.7 Check an aircraft electrical circuit for continuity in conjunction with an electrical wiring diagram.	B1, B2		
	4.8 Carry out basic fault finding techniques using a range of test meters.	B1, B2		
	4.9 Prepare, and install a simple loom, using at least two binding methods.	B1, B2		
	4.10 Discuss and demonstrate the use of a range of test meters to measure volts, amps and resistance in practical task circumstances.	B1, B2		
	4.11 Carry out bonding and insulation tests.	B1, B2		
	4.12 Explain / demonstrate how to inspect aircraft areas for HIRF protection.	B1, B2		
	4.13 Carry out an inspection for lightning strike protection.	A, B1, B2		
	4.14 Insertion / extraction of electrical inserts in a variety of electrical connectors.	B1, B2		
	4.15 Inspection of electrical cable looms / bundles and cable trunking.	B1, B2		

Log Book Holder's Name: Signature:



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	5. Electrical Power / Avionic Systems (Common)			
	5.1 Reading and interpretation of electrical schematic and wiring diagrams.	B1, B2		
	5.2 Replace a range of Avionic LRUs and apply associated BITE.	B1, B2		
	5.3 Remove / Refit Power Distribution Control & Protection equipment.	B1, B2		
	5.4 Generator power check / voltage adjustment.	B1, B2		
	5.5 Internal lighting bulb and filament changes.	A, B1, B2		
	5.6 Replace and function test IFE Equipment (excludes public address).	A, B1, B2		
	5.7 Replacement of ovens, boilers and beverage makers.	A, B1		
	5.8 Compass / Standby Compass compensation swing and calculations.	B1, B2		
	5.9 External lighting bulb and filament changes.	A, B1		
	5.10 Implement ESD procedures.	A, B1, B2		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book
Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	6. Sheet Metal Practices			
	6.1 Interpret engineering drawings and calculate size of material required to produce a component of material with one or more bends.	B1		
	6.2 Bend metal to a bend radius, angle and dimensions as given in the engineering drawing.	B1		
	6.3 Use a range of hand & power tools to position rivet holes to an accuracy of: $\pm 0.30\text{ins} / 0.75\text{mm}$.	B1		
	6.4 Identify a range of solid and blind rivets and fasteners.	B1		
	6.5 Identify, select and use a range of rivet setting equipment.	B1		
	6.6 Set a range of rivets in aluminum sheet. Range to include raised and countersunk rivets.	B1		
	6.7 Select and use a range of appropriate rivet closing tools.	B1		
	6.8 Select and fit sheet gripping pins.	B1		
	6.9 Identify rivet setting faults.	B1		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book
Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	6.10 Remove defective rivets without causing further damage to skin.	B1		
	6.11 Select and install oversize rivets as instructed in SRM.	B1		
	6.12 Set a range of other fasteners in aluminum sheet.	B1		
	6.13 Removal of corrosion and reprotection of aluminum sheet metal.	B1		
	6.14 Cut and shape material to required profile, finish edges and deburr using approved procedures.	B1		
	7. Composite and Non-Metallic Practices (other than wood and fabric)			
	7.1 Identification of the characteristics and properties of common composite and non-metallic materials other than wood, used in aircraft.	A, B1, B2		
	7.2 Identification of sealing and bonding agents.	A, B1, B2		
	7.3 Detection of defects/deterioration in composite and non-metallic material.	A, B1		
	7.4 Repair of composite and non-metallic materials and structures.	A, B1		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book
Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	8. Wooden Structures Practices			
	8.1 Identification of the characteristics and properties of common types of wood and glue used in aircraft.	A, B1		
	8.2 Identification of construction methods used in wooden structures.	A, B1		
	8.3 Methods of preservation and maintenance of wooden structures.	A, B1		
	8.4 Identification and detection of defects in wood material and wooden structures.	A, B1		
	8.5 Repair of wooden structures.	A, B1		
	9. Fabric Covering Practices			
	9.1 Identification of the characteristics and properties of common fabrics and adhesives used in wooden structured aircraft.	A, B1		
	9.2 Inspection method for fabrics.	A, B1		
	9.3 Identification of defects in fabrics.	A, B1		
	9.4 Repair of fabric covering.	A, B1		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10. Maintenance Practices			
	10.1 Inspection of a structure using a mirror and a light source.	A, B1		
	10.2 Remove & replace a range of flexible hoses including clips and brackets.	A, B1		
	10.3 Remove & replace a range of rigid pipes, including clips and brackets.	A, B1		
	10.4 Locate components using referencing system, e.g. station numbers.	B1		
	10.5 Carry out a heavy landing / turbulence check.	A, B1		
	10.6 Assist in the raising / lowering of an aircraft on or off jacks.	A, B1		
	10.7 Jack aircraft level to rigging position.	A, B1		
	10.8 Assist in the towing of an aircraft.	A, B1		
	10.9 Remove and refit a range of aircraft panels.	A, B1		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.10 Lubrication of bearings, flight controls and undercarriages.	A, B1		
	10.11 Carry out Pre-Departure inspections a - Refuel aircraft. b - Check & replenish oil, hydraulic and pneumatic systems, Tyre Pressures. c - Perform Pre-flight Check.	A, B1		
	10.12 Carry out Daily inspections a - Service toilet and potable water system. b - Connect and use correctly ground electrical power. c - Connect and use correctly ground air supply.	A, B1		
	10.13 Replenish oxygen system.	A, B1		
	10.14 Assist in pressurization test.	B1		
	10.15 Operational check of ground power.	A, B1		
	10.16 Carry out a VHF Radio check.	B1		
	10.17 Remove / Refit Main and APU Batteries.	A, B1, B2		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.18 Remove / Refit Emergency Battery.	A, B1, B2		
	10.19 Replace carpets.	A, B1		
	10.20 Replace crew seats.	A, B1		
	10.21 Replace passenger seats.	A, B1		
	10.22 Check seat belts for serviceability.	A, B1		
	10.23 Replace and test a range of electrical airframe / engine system components / boards.	B1		
	10.24 Check emergency equipment.	A, B1		
	10.25 Functional test of emergency equipment.	A, B1		
	10.26 Inspect toilet / vestibule unit for serviceability.	A, B1		
	10.27 Inspect Galley unit for serviceability.	A, B1		
Log Book Holder's Name: Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.28 Inspect and test Engine and Airframe fire detecting systems.	B1		
	10.29 Inspection and functional testing of fire protection systems.	B1		
	10.30 Replace fire bottle.	B1		
	10.31 Removal / refit of Flight Control and subsequent rigging of system.	B1		
	10.32 Functional checks on hydraulically operated flight control systems.	B1		
	10.33 Hydraulic PFCU change.	B1		
	10.34 Replace and test fuel pump.	B1		
	10.35 Hydraulic Reservoir inspection, fluid replenishment and recharging.	A, B1		
	10.36 Hydraulic System Component Changes.	B1		
	10.37 Engine driven Hydraulic pump change (EDP).	B1		
Log Book Holder's Name:..... Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.38 Electrical Hydraulic Pump Change (ACMP).	B1		
	10.39 Hydraulic pump quill drive inspection.	B1		
	10.40 Functional test of windscreen wiper system.	A, B1		
	10.41 Removal / refit of windscreen wiper blade.	A, B1		
	10.42 Wheel removal / installation.	A, B1		
	10.43 Wheel Brake removal / installation.	A, B1		
	10.44 Bleed hydraulic brakes.	A, B1		
	10.45 Replace oleo seals.	B1		
	10.46 Assess fluid levels and charge oleo.	B1		
	10.47 Functional test of Anti Skid system.	B1		
Log Book Holder's Name:..... Signature:				



Aircraft Maintenance Technician's Log Book
Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.48 Replace vacuum pump.	B1		
	10.49 Retrieve data from central maintenance system (CMU).	B1		
	10.50 Assist in APU removal / refit.	B1		
	10.51 Windows & Transparencies cleaning & polishing.	A, B1		
	10.52 Replacement of door seals.	B1		
	10.53 Remove / Refit cockpit windshield.	B1		
	10.54 Assist in a power plant removal & refit.	B1		
	10.55 Rig engine thrust lever.	B1		
	10.56 Replenish water / methanol system.	A, B1		
	10.57 Application of one / two component sealers and compounds.	B1		
Log Book Holder's Name:..... Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.58 Assist in propeller removal / refit.	B1		
	10.59 Check propeller track.	B1		
	10.60 Mooring and picketing (Helicopter only).	A, B1		
	10.61 Removal / refit main rotor head (Helicopter only).	B1		
	10.62 Removal / refit transmission drive shaft (Helicopter only).	B1		
	10.63 Removal / refit main rotor gearbox (Helicopter only).	B1		
	10.64 Removal / refit tail rotor (Helicopter only).	B1		
	10.65 Flight control rigging.	B1		
	10.66 Main rotor track and balance (Helicopter only).	B1		
	10.67 VHF Comms LRU replacement and Communication Check.	B2		

Log Book Holder's Name:..... Signature:



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.68 HF LRU replacement and Communication Check.	B2		
	10.69 VHF NAV LRU replacement and system tests.	B2		
	10.70 Aerial replacement (various).	B2		
	10.71 Radio Standing Wave Measurement Tests.	B2		
	10.72 ATC / TCAS system component replacement and tests.	B2		
	10.73 Intercommunication / Passenger Address Component replacement and testing.	B2		
	10.74 Removal / installation of Pitot Static Instruments.	B1, B2		
	10.75 Check calibration of a Pitot Static System using a Pitot Static Leak tester.	B1, B2		
	10.76 Inertial Reference Unit / Platform Initialisation Check.	B2		
	10.77 Test ILS / VOR Systems using appropriate test equipment e.g. Nav 401/402.	B2		
Log Book Holder's Name:..... Signature:				



Aircraft Maintenance Technician's Log Book

Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.78 Gyroscopic Instrument component replacements and functional tests.	B2		
	10.79 Fuel Quantity Indicating systems functional testing.	B2		
	10.80 General Engine and aircraft temperature / pressure and flow instrumentation component replacement and testing.	B2		
	10.81 Flight Director Systems functional tests.	B2		
	10.82 Radio Altimeter system test utilizing appropriate (555) test set.	B2		
	10.83 DME Functional Testing utilizing appropriate test set.	B2		
	10.84 Weather Radar system component replacements and functional tests.	B2		
	10.85 Auto throttle systems experience and Functional Testing. (optional, fixed wing only).	B2		
	10.86 Automatic Flight Modes experience and Functional Testing. (optional, fixed wing only).	B2		
	10.87 Stability Augmentation Systems experience and functional testing. (optional, helicopters only).	B2		
Log Book Holder's Name:..... Signature:				



Aircraft Maintenance Technician's Log Book
Section 4. Basic Skills

Date	Competence obtained	Category	Instructor/ Supervisor Signature and/or Stamp	Remark
	10.88 ADF component replacements and functional tests.	B2		
	10.89 Discuss / demonstrate typical maintenance practices on Electronic Flight Instrument systems.	B2		
	10.90 Discuss / demonstrate typical maintenance practices on Flight Management systems.	B2		
Log Book Holder's Name:..... Signature:				



Aircraft Maintenance Technician's Log Book

Section 5. Maintenance Experience (OJT)

General requirements

Log Book Holder's Name:

.....

Section 5. Maintenance Experience (OJT)

This section is to record the experience gained on in-serviced aircraft. Each entry in the maintenance experience logbook is an on-the-job training (OJT) task. The type and range of OJT tasks undertaken must be in respect of the category and/or type rating applied for. The OJT task details should be recorded by the logbook holder on completion of the task and countersigned by the task supervisor as soon as practicable after completion of the task. A specific task should only be entered once. There is no requirement to make multiple entries for the same or similar tasks.

1. The OJT is gained by a AMT in the workplace. The objective of OJT is to gain the required competence and experience in performing safe maintenance. The OJT competence credits are valid within 3 (three) years to the date of application for the license.
2. The OJT task lists are part of maintenance training program and approved by CAAV.
3. The OJT tasks to be completed shall be representative of the aircraft and systems both in complexity and in the technical input required to complete that task.
4. The OJT should include one to one supervision and should involve actual work task performance on aircraft/components, covering line and/or base maintenance tasks.
5. The use of simulators for OJT should not be allowed.
6. The OJT should cover at least 50% of the tasks in each group (bold letter) contained in Appendix 1 for the first aircraft type rating or the first licence category. Some tasks should be selected from each paragraph of the Appendix 1. Other tasks than those in the Appendix 1 may be considered as a replacement when they are relevant. The selected task shall:
 - be representative of the aircraft/aircraft components and systems both in complexity and in the technical input required to complete that task. While relatively simple tasks may be included, other more complex maintenance tasks shall also be incorporated and undertaken as appropriate to the aircraft/aircraft component type;
 - be selected among those applicable to the type of aircraft and license (sub) category applied for;
 - be representative of the maintenance to be performed in terms of complexity, frequency, variety, safety, criticality, novelty etc....;
 - include components unique to the type, or type-specific maintenance practices;
 - be distributed in order that all ATA chapters and task categories (servicing, trouble shooting, component location, deactivation, removal/installation, etc.) are covered;
 - take into account, when available, the feedback from in-service experience or customer specific additional training needs.
7. Up to 50% of the required OJT may be undertaken before the aircraft theoretical type training starts.
8. Regarding the day-to-day supervision of the OJT programme in the approved maintenance organisation and the role of the supervisor(s), the following



Aircraft Maintenance Technician's Log Book

Section 5. Maintenance Experience (OJT)

General requirements

Log Book Holder's Name:

.....

should be considered:

- It is sufficient that the completion of individual OJT task is confirmed by the direct supervisor;
 - During the day-to-day OJT performance, the supervision aims at overseeing the complete process, including task completion, use of manuals and procedures, observance of safety measures, warnings and recommendations and adequate behaviour in the maintenance environment;
 - The supervisor(s) should personally observe the work being performed to ensure the safe completeness and should be readily available for consultation, if needed during the OJT performance;
 - The supervisor(s) should countersign the tasks and release the maintenance tasks as the trainee is still not qualified to do so.
 - The supervisor(s) should therefore:
 - ✓ have certifying staff privileges relevant to the OJT tasks;
 - ✓ be competent for the selected tasks;
 - ✓ be safety-orientated;
 - ✓ be capable to coach (setting objectives, giving training, performing supervision, evaluating, handling trainee's reactions and cultural issues, managing objectively and positively debriefing sessions, determining the need for extra training or re-orientate the training, reporting, etc.);
 - ✓ be designated by the approved maintenance organisation to carry out the supervision.
9. The organization providing the on-the-job training should provide trainees a schedule or plan indicating the list of tasks to be performed under supervision. A record of the tasks completed should be entered into a logbook which should be designed such that each task or group of tasks is countersigned by the corresponding supervisor.
10. The final assessment of completed OJT is mandatory and shall be performed by assessors, designated and appropriately qualified.



Aircraft Maintenance Technician's Log Book

Section 5. Maintenance Experience (OJT)

OJT tasks for AMT category

Log Book Holder's Name:

.....

OJT tasks for AMT category

1. ID	2. Task description	3. Task reference	4. CAT	5. A/C Reg.	6. Date	7. Maintenance record reference	8. Trainee's signature	9. Supervisor's signature and licence number	10. Remark



Aircraft Maintenance Technician's Log Book

Section 5. Maintenance Experience (OJT)

Completion instruction

Log Book Holder's Name:

.....

Completion instruction

Index	Description
1. ID	Enter task progressive identification number.
2. Task description	Enter maintenance task description needed to be performed. This field is pre-entered or by supervisor for alternate task.
3. Task reference	Enter maintenance data task reference number (i.e. AMM ATA-Sub-Task). This field is normally pre-entered.
4. CAT	Enter category of maintenance task, it may be: FOT: Functional/Operational test M/P: maintenance practice R/I: Removal/Installation I/C: Inspection/ check SGH: Servicing/Ground Handling GVI: General Inspection MEL: Minimum Equipment List DI: Detail Inspection T/S: Troubleshooting D/R: Deactivation/Reactivation
5. A/C Reg.	Enter aircraft registration mark. To be entered by the trainee. - The aircraft registration shall correspond to the same aircraft type for which the OJT is conducted. - The engine difference shall be also considered when performing maintenance tasks applicable to the engine. For example, a B1 category training on A320(CFM56) aircraft may be performed on an A320(V2500) aircraft when the OJT tasks related to the landing gear, but must be on A320(CFM56) aircraft when the OJT tasks related to the engine.
6. Date	Enter date when the specific task is carried out. Dates entered shall follow the format DD/MM/YYYY or DDMMMYYYY and by the trainee. E.g. 25/12/2019 or 25DEC2019
7. Maintenance record reference	Enter the aircraft technical log page, work card/ job card number (together with a work package number), worksheet reference or work order number... to retrieve the evidence of the task carried out. To be entered by the trainee.
8. Trainee's signature	Signature entered by trainee (logbook's holder).
9. Supervisor's signature and licence number	The supervisor enters his/her signature and licence number to confirm that the task has been carried out correctly under his/her direct supervision.
10. Remark	Enter other information that may need for assessment (if any).



Aircraft Maintenance Technician's Log Book

Section 5. Maintenance Experience (OJT)

Completion instruction

Log Book Holder's Name:

.....

Example:

1. ID	2. Task description	3. Task reference	4. CAT	5. A/C Reg.	6. Date	7. Maintenance record reference	8. Trainee's signature	9. Supervisor's signature and licence number	10. Remark
ATA 21-Air Conditioning									
1	OPERATIONAL CHECK OF OVERRIDE FUNCTION (BLOWER AND EXTRACT)	AMM 21-26-00-710-002-A	FOT	VN-A336	01/07/2019	WO 00123456			
2	FUNCTIONAL TEST OF THE AFT CARGO COMPARTMENT VENTILATION-SYSTEM	AMM 21-28-00-720-004-A	FOT	VN-A325	05/07/2019	JC#39, WP VN0045678			
3	REMOVAL/INSTALLATION OF THE PRIMARY HEAT EXCHANGER	AMM 21-52-25 PB401	R/I	VN-A604	10/07/2019	JC#76 WP VN0025643			
	Or REMOVAL/INSTALLATION OF THE CONDENSOR	AMM 21-52-26 PB401							



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

.....

Appendix 1. Typical maintenance tasks

Time limits/Maintenance checks

100-hour check (general aviation aircraft).

"B" or "C" check (transport category aircraft).

Assist in 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.

Dimensions/Areas

Locate component(s) by zone/station number.

Perform symmetry check.

Lifting and Shoring

Assist in:

Jack aircraft nose or tail wheel.

Jack complete aircraft.

Sling or trestle major component.

Levelling/Weighing

Level aircraft.

Weigh aircraft.

Prepare weight and balance amendment.

Check aircraft against equipment list.

Towing and Taxiing

Prepare aircraft for towing.

Tow aircraft.

Be part of aircraft towing team.

Parking and Mooring

Tie down aircraft.

Park, secure and cover aircraft.

Position aircraft in maintenance dock.

Secure rotor blades.

Placards and Markings

Check aircraft for correct placards.

Check aircraft for correct markings.

Servicing

Refuel aircraft.

Defuel aircraft.

Carry out tank to tank fuel transfer.

Check/adjust tyre pressures.

Check/replenish oil level.

Check/replenish hydraulic fluid level.

Check/replenish accumulator pressure.

Charge pneumatic system.

Grease aircraft.

Connect ground power.

Service toilet/water system.

Perform pre-flight/daily check.

Vibration and Noise Analysis

Analyse helicopter vibration problem.

Analyse noise spectrum.

Analyse engine vibration.



Aircraft Maintenance Technician's Log Book

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

Log Book Holder's Name:

.....

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 pressurization controller.
- Clean outflow valves.
- Check operation of air conditioning/heating system.
- Check operation of pressurization system.
- Troubleshoot faulty system.

Autoflight

- Install servos.
- Rig bridle cables
- Replace controller.
- Replace amplifier.
- Replacement of auto flight system LRUs in the case of fly-by-wire aircraft
- Check operation of auto-pilot.
- Check operation of auto-throttle/auto-thrust.
- Check operation of yaw damper.
- Perform autopilot gain adjustments.
- Perform mach trim functional check.
- Check autoland system.
- Check flight management systems.
- Check stability augmentation system.
- Troubleshoot faulty system.

Communications

- Replace VHF comm unit.
- Replace HF comm 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.
- Repair co-axial cable.
- Troubleshoot faulty system.

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.
- Perform functional check of integrated drive/generator/alternator.
- Perform functional check of voltage regulator.
- Troubleshoot faulty system.

Equipment/Furnishings

- Replace carpets.
- Replace crew seats.



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

.....

- Replace passenger seats.
- Check inertia reels.
- Check seats/belts for security.
- Check emergency equipment.
- Check ELT for compliance with regulations.
- Repair toilet waste container.
- Repair upholstery.
- Change cabin configuration.
- Replace cargo loading system actuator.
- Test cargo loading system.
- Replace escape slides/ropes.

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.
- Inspect engine fire wire detection systems.
- Troubleshoot faulty system.

Flight Controls

- Inspect primary flight controls and related components i.a.w. AMM.
- Inspect extending/retracting flaps and slats.
- Replace horizontal stabilizer.
- Replace spoiler/lift dumper.
- Replace elevator.
- Deactivation/reactivation of aileron servo control.
- Replace aileron.
- Replace rudder.

- Replace trim tabs.
- Install control cable and fittings.
- 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 sense 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
- THS system wear check.
- Troubleshoot faulty system.

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.



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

.....

Pressure de-fuel

Pressure re-fuel (manual control)

Deactivation/reactivation of the fuel valves (transfer de-fuel, X-feed, re-fuel)

Troubleshoot faulty system.

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.

Pressurization/depressurization of the hydraulic system.

PTU operation

Troubleshoot faulty system.

Ice and Rain Protection

Replace pump. Replace timer.

Inspect/repair propeller de-ice boot.

Test propeller de-icing system.

Inspect/test wing leading edge de-icer boot.

Replace anti-ice/de-ice valve.

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.

Operational test of the engine air-intake ice protection (with engines in operation).

Troubleshoot faulty system.

Indicating/recording systems

Replace flight data recorder (FDR).

Replace cockpit voice recorder.

Replace clock.

Replace master caution unit.

Perform flight data recorder data retrieval.

Implement ESD procedures.

Inspect for HIRF requirements.

Start/stop EIS procedure.

Bite test of the CFDIU.

Ground scanning of the central warning system.

Troubleshoot faulty system.

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.

Replace brake unit.

Replace brake control valve.

Bleed brakes.

Replace brake fan.

Test anti-skid unit.



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

.....

Test gear retraction.
Change bungees.
Adjust micro switches/sensors.
Charge struts with oil and air.
Test outbrake system.
Replace rotorcraft skids.
Replace rotorcraft skid shoes.
Pack and check floats.
Check/test emergency blowdown.
Operational test of the landing gear doors.
Troubleshoot faulty system.

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.

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.
Check marker systems.
Compass replacement direct/indirect.
Check Satcom.
Check GPS.
Test AVM.
Troubleshoot faulty system.

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.

Pneumatic Systems

Replace filter.
Replace air shut off valve.
Replace pressure regulating valve.
Replace compressor.



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

.....

Rechargedessicator.
Adjust regulator.
Check for leaks.
Troubleshoot faulty system.

Vacuum Systems

Inspect the vacuum system i.a.w. AMM.
Replace vacuum pump.
Check/replace filters.
Adjust regulator.
Troubleshoot faulty system.

Water/Waste

Replace water pump.
Replace tap.
Replace toilet pump.
Inspect waste bin flap closure.
Troubleshoot faulty system.

Central Maintenance System

Retrieve data from CMU.
Replace CMU.
Perform BITE check.
Troubleshoot faulty system.

Airborne Auxiliarypower

Install APU.
Inspect hot section.
Troubleshoot faulty system.

Structures

Sheet metal repair.

Fibre glass repair.
Wooden repair.
Fabric repair.
Recover fabric control surface.
Treat corrosion.
Apply protective treatment.

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.
Remove and install passenger door i.a.w. AMM.
Remove and install emergency exit i.a.w. AMM.
Inspect cargo door i.a.w. AMM.
Troubleshoot faulty system.

Windows

Replace windshield.
Replace direct vision window.
Replace cabin window.
Repair transparency.

Wings

Skin repair.
Recover fabric wing.
Replace tip.
Replace rib.
Replace integral fuel tank panel.
Check incidence/rig.



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

.....

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.
- Assess and dress out blade damage i.a.w. AMM.
- Dynamically balance prop.
- Troubleshoot faulty system.

Main Rotors

- Install rotor assembly.
- Replace blades.
- Replace damper assembly.
- Check track.
- Check static balance.
- Check dynamic balance.
- Troubleshoot.

Rotor Drive

- Replace mast.
- Replace drive coupling.
- Replace clutch/freewheel unit
- Replace drive belt.
- Install main gearbox.
- Overhaul main gearbox.
- Check gearbox chip detectors.

Tail Rotors

- Install rotor assembly.
- Replace blades.
- Troubleshoot.

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.

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.

Power Plant

- Build up ECU. Replace engine.
- Repair cooling baffles.
- Repair cowling.
- Adjust cowl flaps.
- Repair faulty wiring.



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

.....

Assist in dry monitoring check.
Assist in wet monitoring check.
Assist in engine start (manual mode).
Troubleshoot.

Piston Engines

Remove/install reduction gear.
Check crankshaft run-out.
Check tappet clearance.
Check compression.
Extract broken stud.
Install helicoil.
Perform ground run.
Establish/check reference RPM.
Troubleshoot.

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.

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.

Fuel and Control – Turbine

Replace FCU.
Replace Engine Electronic Control Unit (FADEC).
Replace Fuel Metering Unit (FADEC).
Replace engine driven pump.
Clean/test fuel nozzles.
Clean/replace filters.
Adjust FCU.
Functional test of FADEC.
Troubleshoot faulty system.

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.

Ignition Systems – Turbine

Perform functional test of the ignition system.
Check glow plugs/ignitors.
Check H.T. leads.



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

.....

Appendix 1. Typical maintenance tasks

Check ignition unit.
Replace ignition unit.
Troubleshoot faulty system.

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 sense of operation direction of movement.
Adjust pedestal micro-switches.
Troubleshoot faulty system.

Engine Indicating

Replace engine instrument(s).
Replace oil temperature bulb.
Replace thermocouples.
Check calibration.
Troubleshoot faulty system.

Exhaust – Piston

Replace exhaust gasket.
Inspect welded repair.
Pressure check cabin heater muff.
Troubleshoot faulty system.

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.

Oil

Change oil.
Check filter(s).
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.

Starting

Replace starter.
Replace start relay.
Replace start control valve.
Check cranking speed.
Troubleshoot faulty system.

Turbocharger – Piston Engines

Replace PRT.
Replace turbo-blower.
Replace heat shields.
Replace waste gate.
Adjust density controller.

Engine Water Injection

Replace water/methanol pump.



Aircraft Maintenance Technician's Log Book

Log Book Holder's Name:

Section 5. Maintenance Experience (OJT)

.....

Appendix 1. Typical maintenance tasks

Flow check water/methanol system.
Adjust water/methanol control unit.
Check fluid for quality.
Troubleshoot faulty system.

Accessory Gearboxes

Replace gearbox.
Replace drive shaft.

Check/inspect magnetic chip detector.

APU

Removal/installation of the APU.
Removal/installation of the inlet guide-vane actuator.
Operational test of the APU.



Aircraft Maintenance Technician's Log Book

Section 5. Maintenance Experience (OJT)

Appendix 1. Typical maintenance tasks

Log Book Holder's Name:

.....

Glossary

ABC	Automatic Boost Control	FDR	Flight Data Recorder
ADI	Attitude Direction Indicator	GPS	Global Positioning System
AMC	Automatic Mixture Control	HF	High Frequency
AMM	Aircraft Maintenance Manual	HIRF	High Intensity Radiated Field
APU	Auxiliary Power Unit	HP	High Pressure
ATC	Air Traffic Control	HSI	Horizontal Situation Indicator
AVM	Aircraft Vibration Monitor	LRU	Line Replaceable Unit
BITE	Built in Test Equipment	PRT	Power Recovery Turbine
CFDIU	Centralized Fault Display Interface Unit	PTU	Power Transfer Unit
CMU	Central Monitoring Unit	RPM	Revolutions Per Minute
DME	Distance Measuring Equipment	TAT	Total Air Temperature
ECU	Electronic Control Unit	TCAS	Traffic Collision Avoidance System
EIS	Electronic Instrument System	THS	Trimmable Horizontal Stabilizer
ELT	Emergency Locator Transmitter	VHF	Very High Frequency
ESD	Electrostatic Sensitive Device	VOR	Visual Omni Range
FADEC	Full Authority Digital Engine Control	VSWR	Voltage Standing Wave Ratio
FCU	Fuel Control Unit		