

Basic Maintenance Experience Logbook

For EASA Part 66 license

Part 66 Basic Experience Requirements

General:

This document has been developed by the Icelandic Transport Authority to assist the applicant to comply with Commission regulation (EU) No 1321/2014 by record his/her basic practical maintenance experience.

Objective:

Before applying for initial Part-66 aircraft maintenance licence (AML) or additional category or sub-categories to existent licence applicant shall have acquired basic practical maintenance experience in relevant category or sub-categories.

The practical experience shall involve a representative cross-section of maintenance tasks on aircraft. Applicant shall have gained a detailed knowledge of the practical aspects and capacity to combine and apply the separate elements of knowledge in a logical and comprehensive manner. The applicant should be able to:

- Read and understand manufacturer instructions
- Use tools and equipment as required in manufacturer instructions
- Use and have knowledge of various material, both raw and consumable, and standard parts
- Use his knowledge in a practical manner and use manufacturer instructions
- Interpret results from various sources and measurements and apply corrective action where appropriate
- Demonstrate knowledge of good maintenance standards and human factor limitation.

This document is based on ATA 100 specification principle as a way for an applicant to demonstrate how he/she satisfy these requirements.

Responsibility:

It is the responsibility of the applicant to document correctly his/her practical maintenance experience. Each task shall be supervised and signed by qualified certifying or support staff.

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Introduction:

Tasks required to log depend on what category AML is sought. Thus, the applicant has to select tasks relevant to a category or sub-categories. For example, tasks required for category B2 rating needs to be more in depth related to ATA chapter 22, 23, 24, 27, 31, 34, 42, 44 and 46 than in other chapters while applicant seeking subcategory B1.3 rating needs to demonstrate work in ATA chapters 60-67 along with other chapters.

Maintenance tasks which are considered as A, B1 and B3 are:

- Maintenance tasks performed on aircraft structure, power plant and mechanical and electrical systems
- Work on avionics systems requiring **only** simple tests to prove their serviceability and **not** requiring troubleshooting.

Maintenance tasks which are considered as B2 are:

- Maintenance tasks performed on avionic and electrical systems
- Electrical and avionics tasks within power plant and mechanical systems, requiring **only** simple tests to prove their serviceability

GM 66.A.20(a) provides information about definitions for maintenance task related to the **Electrical system, Avionics system, Simple test, Troubleshooting, Line maintenance and Base maintenance.**

Basic experience requirements duration:

- Implementing rule 66.A.30 provides information about basic experience requirements duration applicant need to demonstrate when applying for initial AML.
- Appendix IV to Part 66 Implementing rule provides information about experience requirements duration applicant need to demonstrate when applying for extension to existing Part-66 AML with new category or sub-categories.

This logbook is constructed in a way to guide applicant to gain minimum relevant basic practical maintenance experience that represents a cross-section of maintenance activities. It is obvious that each applicant will perform more work in some ATA chapters than in others. Thus, space given in this logbook for each ATA chapter should only be viewed as a way to document the minimum experience. Additional pages are found at the end of the logbook for the student to document additional work to support his/her application for EASA Part 66 AML.

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Work in all ATA chapters in this logbook does not need to be accomplished by the applicant. Each applicant has to demonstrate work in ATA chapter applicable to his/her category and sub-category.

Procedure:

Text in blue explains the type of information needed to be documented in the logbook.

ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
29	HYDRAULIC POWER						
29-00	General	A330-300	TF-RSS	Troubleshooting L engine pump fault. Replaced engine driven pump iaw AMM 29-11-01-400-814, Rev Sep 01/12.	12/02/2013	B1	Jón Jónsson IS.66.3734
29-10	Main						
29-20	Auxiliary						
29-30	Indicating						
		A330-300	TF-ALK	Replaced hydraulic return filter iaw AMM 29-13-01-400-814 Rev Aug 01/07.	24/04/2013	B1	Árni Árnason IS.66.3013

ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
34	Navigation						
34-00	General	A330-300	TF-EBR	Performed troubleshooting on Traffic Alert and Collision Avoidance System (TCAS). Replaced broken pin in plug P 0123 iaw WM 20-13-03 Rev Mar 01/08 and AMM 34-46-00-720-815 Rev Jun 01/11.	15/02/2013	B2	Jón Jónsson IS.66.3734
34-10	Flight Environment Data						
34-20	Attitude & Direction						
34-30	Landing & Taxiing Aids						
34-40	Independent Position Determining	A330-300	TF-SBR	Altimeter inoperative. Removed and replace air data computer and perform pitot static leak check iaw .AMM 34-12-01-400-814 Rev Sep 01/12.	30/03/2013	B2	Jón Jónsson IS.66.3734
34-50	Dependent Position Determining						
34-60	Flight Management Computing						

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Name of applicant:
Social security No.:
Nationality:

Category or sub-category			
<i>Tick in relevant boxes</i>			
A			
B1.1	B1.2	B1.3	B1.4
B2			
B3			
C			

Name of Part 145/Subpart F organisation:			Maintenance organisation approval reference:			
Period From:	To:	From:	To:	From:	To:	Total working days:
Supervisor Name:			AML Licence No.		Company authorisation No.:	
Supervisor Name:			AML Licence No.		Company authorisation No.:	
Supervisor Name:			AML Licence No.		Company authorisation No.:	

Name of Part 145/Subpart F organisation:			Maintenance organisation approval reference:			
Period From:	To:	From:	To:	From:	To:	Total working days:
Supervisor Name:			AML Licence No.		Company authorisation No.:	
Supervisor Name:			AML Licence No.		Company authorisation No.:	
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Name of Part 145/Subpart F organisation:			Maintenance organisation approval reference:			
Period From:	To:	From:	To:	From:	To:	Total working days:
Supervisor Name:			AML Licence No.		Company authorisation No.:	
Supervisor Name:			AML Licence No.		Company authorisation No.:	
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Name of Part 145/Subpart F organisation:			Maintenance organisation approval reference:			
Period From:	To:	From:	To:	From:	To:	Total working days:
Supervisor Name:			AML Licence No.		Company authorisation No.:	
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Supervisor Name:			AML Licence No.		Company authorisation No.:	

Name of Part 145/Subpart F organisation:			Maintenance organisation approval reference:			
Period From:	To:	From:	To:	From:	To:	Total working days:
Supervisor Name:			AML Licence No.		Company authorisation No.:	
Supervisor Name:			AML Licence No.		Company authorisation No.:	
Supervisor Name:			AML Licence No.		Company authorisation No.:	

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
05	Time limits/maintenance checks						
05-00	General						
05-10	Time limits						
05-20	Scheduled maintenance checks						
05-50	Unscheduled maintenance checks						
06	DIMENSIONS & AREAS						
06-00	General						
06-10	Dimension and areas						
06-20	Zoning						
06-30	Access panels, location and identification						
07	Lifting and shoring						
07-00	General						
07-10	Jacking						
07-20	Shoring						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
08	LEVELING & WEIGHING						
08-00	General						
08-10	Weighing & Balancing						
08-20	Levelling						
09	TOWING & TAXIING						
09-00	General						
09-10	Towing						
09-20	Taxiing						
10	PARKING, MORING, STORAGE & RETURN TO SERVICE						
10-00	General						
10-10	Parking/Storage						
10-20	Mooring						
10-30	Return to Service						
11	PLACARDS & MARKING						
11-00	General						
11-10	Exterior Color Schemes & Markings						
11-20	Exterior Placards & Markings						
11-20	Exterior Placards & Markings						
11-30	Interior Placards						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
12	SERVICING – ROUTINE MAINTENANCE						
12-00	General						
12-10	Replenishing						
12-20	Scheduled Servicing						
12-30	Unscheduled Servicing						
18	VIBRATION & NOISE ANALYSIS (Helicopter only)						
18-00	General						
18-10	Vibration Analysis						
18-20	Noise Analysis						
20	STANDARD PRACTICES - AIRFRAME						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
21	AIR CONDITIONING						
21-00	General						
21-10	Compression						
21-20	Distribution						
21-30	Pressurization Control						
21-40	Heating						
21-50	Cooling						
21-60	Temperature Control						
21-70	Moisture / Air Contaminant Control						
22	AUTO FLIGHT						
22-00	General						
22-10	Autopilot						
22-20	Speed – Attitude Correction						
22-30	Auto Throttle						
22-40	System Monitor						
22-50	Aerodynamic Load Alleviating						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
25	EQUIPMENT / FURNISHINGS						
25-00	General						
25-10	Flight Compartment						
25-20	Passenger Compartment						
25-30	Buffet / Galley						
25-40	Lavatories						
25-50	Cargo Compartment						
25-60	Emergency						
25-70	Accessory Compartments						
25-70	Insulation						
26	FIRE PROTECTION						
26-00	General						
26-10	Detection						
26-20	Extinguishing						
26-30	Explosion Suppression						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
27	FLIGHT CONTROLS						
27-00	General						
27-10	Aileron & Tab						
27-20	Rudder / Rudder & Tab						
27-30	Elevator & Tab						
27-40	Horizontal Stabilizer / Stabilator						
27-50	Flaps						
27-60	Spoiler, Drag Devices & Variable Aerodynamic Fairings						
27-70	Gust Lock & Damper						
27-80	Lift Augmenting						
28	FUEL						
28-00	General						
28-10	Storage						
28-20	Distribution – Drain Valves						
28-30	Dump						
28-40	Indicating						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
29	HYDRAULIC POWER						
29-00	General						
29-10	Main						
29-20	Auxiliary						
29-30	Indicating						
30	ICE & RAIN PROTECTION						
30-00	General						
30-10	Air foil						
30-20	Air Intakes						
30-30	Pitot & Static						
30-40	Windows, Windshields, & Doors						
30-50	Antennas & Radomes						
30-60	Propellers / Rotors						
30-70	Water Lines						
30-80	Detection						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
31	INDICATING /RECORDING SYSTEM						
31-00	General						
31-10	Instrument & Control Panels						
31-20	Independent Instrument						
31-30	Recorders						
31-40	Central Computers						
31-50	Central Warning Systems						
31-60	Central Display Systems						
31-70	Automatic Data Reporting Systems						
32	LANDING GEAR						
32-00	General						
32-10	Main Gear & Doors						
32-20	Nose Gear / Tail Gear & Doors						
32-30	Extension & Retraction						
32-40	Wheel & Brakes						
32-50	Steering						
32-60	Position , Warning, & Ground Safety Switch						
32-70	Supplementary Gear – Skis, Floats						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
33	LIGHTS						
33-00	General						
33-10	Flight Compartment & Annunciator Panel						
33-20	Passenger Compartment						
33-30	Cargo & Service Compartments						
33-40	Exterior Lighting						
33-50	Emergency Lighting						
34	NAVIGATION						
34-00	General						
34-10	Flight Environment Data						
34-20	Attitude & Direction						
34-30	Landing & Taxiing Aids						
34-40	Independent Position Determining						
34-50	Dependent Position Determining						
34-60	Flight Management Computing						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
35	OXYGEN						
35-00	General						
35-10	Crew						
35-20	Passenger						
35-30	Portable						
36	PNEUMATIC						
36-00	General						
36-10	Distribution						
36-20	Indicating						
37	VACUUM						
37-00	General						
37-10	Distribution						
37-20	Indicating						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
38	WATER / WASTE						
38-00	General						
38-10	Portable						
38-20	Wash						
38-30	Waste Disposal						
38-40	Air Supply						
39	ELECTRICAL - ELECTRONIC PANELS & MULTIPURPOSE COMPONENTS						
39-00	General						
39-10	Instrument & Control Panels						
39-20	Electrical & Electronic Equipment Racks						
39-30	Electrical & Electronic Junction Boxes						
39-50	Integrated Circuits						
39-60	Printed Circuit Card Assemblies						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
41	WATER BALLAST						
41-00	General						
41-10	Storage						
41-20	Dump						
41-30	Indication						
42	INTEGRATED MODULAR AVIONICS						
44	CABIN SYSTEMS						
44-00	General						
44-10	Cabin Core System						
44-20	Inflight Entertainment System						
44-30	External Communication System						
44-40	Cabin Mass Memory System						
44-50	Cabin Monitoring System						
44-60	Miscellaneous Cabin System						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
46	INFORMATION SYSTEM						
46-00	General						
46-10	Airplane General Information Systems						
46-20	Flight Deck Information Systems						
46-30	Maintenance Information Systems						
46-40	Passenger Information Systems						
46-50	Miscellaneous Information Systems						
49	AIRBORNE AUXILIARY POWER						
49-00	General						
49-10	Power Plant						
49-20	Engine						
49-30	Engine Fuel & Control						
49-40	Ignition / Starting						
49-50	Air						
49-60	Engine Controls						
49-70	Indicating						
49-80	Exhaust						
49-90	Oil						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
51	STANDARD PRACTICES & STRUCTURES - GENERAL						
51-00	General						
51-10	Investigation, Clean up & Aerodynamic Smoothness						
51-20	Processes						
51-30	Materials						
51-40	Fasteners						
51-50	Support of Airplane for Repair & Alignment procedures						
51-60	Control – Surface Balancing						
51-70	Repairs						
51-80	Electrical Bonding						
52	DOORS						
52-00	General						
52-10	Passenger / Crew						
52-20	Emergency Exit						
52-30	Cargo						
52-40	Service						
52-50	Fixed Interior						
52-60	Entrance Stairs						
52-70	Door Warning						
52-80	Landing Gear						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
53	FUSELAGE						
53-00	General						
53-10	Main Frame						
53-20	Auxiliary Structure						
53-30	Plates - Skin						
53-40	Attach Fittings						
53-50	Aerodynamic Fairings						
54	NACELLES / PYLONS						
54-00	General						
55	STABILIZERS						
55-00	General						
55-10	Horizontal Stabilizer / Stabilator or Canard						
55-20	Elevator - Elevon						
55-30	Vertical Stabilizer						
55-40	Rudder - Ruddevator						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
56	WINDOWS						
56-00	General						
56-10	Flight Compartment						
56-20	Passenger Compartment						
56-30	Door						
56-40	Inspection & Observation						
57	WINGS						
57-00	General						
57-10	Center						
57-20	Outer						
57-30	Wing Tip						
57-40	Leading Edge & Leading Edge Devices						
57-50	Trailing Edge & Trailing Edge Devices						
57-60	Ailerons & Elevons						
57-70	Spoilers						
57-90	Wing Folding System						
60	STANDARD PRACTICES – PROPELLER / ROTOR						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
61	PROPELLERS / PROPULSORS						
61-00	General						
61-10	Propeller Assembly						
61-20	Controlling						
61-30	Braking						
61-40	Indicating						
61-50	Propulsor Duct						
62	MAIN ROTORS						
62-00	General						
62-10	Rotor Blades						
62-20	Rotor Head (s)						
62-30	Rotor Shaft (s) / Swashplate Assembly (ies)						
62-40	Indicating						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
65	TAIL ROTOR DRIVE						
65-00	General						
65-10	Shafts						
65-20	Gearboxes						
65-40	Indicating						
66	ROTOR BLADE & TAIL PYLON FOLDING						
66-00	General						
66-10	Rotor Blades						
66-20	Tail Pylon						
66-30	Controls & Indicating						
67	ROTORS FLIGHT CONTROL						
67-00	General						
67-10	Rotor Control						
67-20	Anti – Torque Rotor Control (Yaw Control)						
67-30	Servo – Control System						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
74	IGNITION						
74-00	General						
74-10	Electrical Power Supply						
74-20	Distribution						
74-30	Switching						
75	BLEED AIR						
75-00	General						
75-10	Engine Anti - Icing						
75-20	Engine Cooling						
75-30	Compressor Control						
75-40	Indicating						
76	ENGINE CONTROLS						
76-00	General						
76-10	Power Control						
76-20	Emergency Shutdown						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
77	ENGINE INDICATING						
77-00	General						
77-10	Power						
77-20	Temperature						
77-30	Analyser						
77-40	Integrated Engine Instrument Systems						
78	EXHAUST						
78-00	General						
78-10	Collector - Nozzle						
78-20	Noise Suppressor						
78-30	Thrust Reverser						
78-40	Supplemental Air						
79	OIL						
79-00	General						
79-10	Storage (Dry Sump)						
79-20	Distribution						
79-30	Indicating						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.
80	STARTING						
80-00	General						
80-10	Cranking						
81	TURBINES (RECIPROCATING ENGINES)						
81-00	General						
81-10	Power Recovery						
81-20	Turbo - Supercharger						
82	WATER INJECTION						
82-00	General						
82-10	Storage						
82-20	Distribution						
82-30	Dumping & Purging						
82-40	Indicating						

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ATA	Task title	Aircraft type	Aircraft reg.	Work accomplished with reference to approved data	Date	Category	Supervisor signature & AML No.

