

## Practical experience Sailplanes and Powered Sailplanes, cat. L1 and L2

### Contents:

Section 1 Personal Data plus indication Category.

Section 2 Details Supervisors.

Section 3 Experience details.

Section 4 Details Quality Manager.

Section 5 Instructions filling in logbook.

Section 6 Logbook pages.

## Section 1

This logbook is to be used to record details of experience on Group 4 Aircraft and is based on AMC/GM Part-66 Appendix II, B). The experience should cover tasks from each paragraph of the Appendix II list. Other tasks than those in the Appendix II may be considered as a replacement when they are relevant. This logbook can be used for the initial application, extension with another subcategory or the removal of a limitation (from conversion), within the L category

Please indicate for which category this Logbook is being used:

L1C: Composite sailplanes                      L2C: Composite powered sailplanes and composite ELA1 aeroplanes  
 L1: Sailplanes                                      L2: Powered sailplanes and ELA1 aeroplanes

L1	L1.C	L2	L2.C

### 1. Details applicant

Name :  
 .....  
 Surname :  
 .....  
 Nationality :  
 .....  
 Address :  
 .....  
 Postal Code :  
 Place of residence :  
 .....

### 2. Details Company/Aeroclub (if applicable)

Company or Aeroclub  
 Name : .....  
 .....  
 Address : .....  
 .....  
 Part-145/Part-CAO  
 recognition No : .....

## Section 2

### 2. Details Supervisor/CS

<b>Company Name:</b>	<b>Address:</b>		<b>Part 145 Approval reference:</b>
<b>Supervisor name:</b>	<b>AML License No*</b>	<b>Company authorisation No:</b>	<b>Signature:</b>
<b>Supervisor name:</b>	<b>AML License No*</b>	<b>Company authorisation No:</b>	<b>Signature:</b>
<b>Supervisor name:</b>	<b>AML License No*</b>	<b>Company authorisation No:</b>	<b>Signature:</b>
<b>Supervisor name:</b>	<b>AML License No*</b>	<b>Company authorisation No:</b>	<b>Signature:</b>
<b>Supervisor name:</b>	<b>AML License No*</b>	<b>Company authorisation No:</b>	<b>Signature:</b>
<b>Supervisor name:</b>	<b>AML License No*</b>	<b>Company authorisation No:</b>	<b>Signature:</b>
<b>Supervisor name:</b>	<b>AML License No*</b>	<b>Company authorisation No:</b>	<b>Signature:</b>
<b>QUALITY MANAGER NAME: **</b>		<b>Date:</b>	<b>Signature:</b>

\* In case the Supervisor/CS is not in possession of a Part-66AML a copy of the foreign AML needs to be attached. If more than one page is needed, please print out this page as much as required.

\*\* If signed by Quality Manager, please provide copy of relevant MOE page which states his/her position (no copies of AML/Company licenses of the supervisors required).

## Section 3

### 3.1. Aircraft Constructions Experience

For the category L please indicate on which type of aircraft construction the experience requirements are met:

Check*	Construction Type	Aircraft type (1)	Aircraft type (2)	Aircraft type (3)	Aircraft type (4)
<input type="checkbox"/>	Metal aeroplanes				
<input type="checkbox"/>	Composite structure aeroplanes				
<input type="checkbox"/>	Wooden structure aeroplanes				
<input type="checkbox"/>	Metal tubing and fabric aeroplanes				

### 3.1. Duration Experience:

Indicate in which period the experience is achieved “.

Start date	End date	Company	Total Duration

Note:

Check the appropriate box in reference to the experience met.

## Section 4

### 4. Details Quality Manager/Supervisor(s)/AML holder

By signing this logbook, the Quality Manager/Supervisor(s)/AML holder will ensure that the technician has sufficiently satisfied the basic experience requirements (ref. Part 66.A.30 basic experience requirements).

Experience requirements for the category L.

- (a) 2 years of practical maintenance experience in operating aircraft covering a representative cross section of maintenance activities in the corresponding subcategory;
- (b) as a derogation from point (a), 1 year of practical maintenance experience in operating aircraft covering a representative cross section of maintenance activities in the corresponding subcategory, subject to the introduction of the limitation provided for in point 66.A.45(h)(ii)(3).

For the inclusion of an additional subcategory in an existing L license, the experience required by points (a) and (b) shall be 12 and 6 months respectively.

Name:  
Location:  
Company:

Date:  
Signature:

## Section 5

### 5. Instruction logbook practical experience.

Pages six (6) of this logbook is based on Part 66 AMC appendix II “Aircraft Type practical Experience and On the Job Training”, B) and the performance of practical activities as mentioned in Modules 4L, 5L and 6L.

There is a maximum flexibility for adding tasks in this logbook.

The practical experience should cover a representative cross section including at least:

For category L:

In the subcategories L1, L1C, L2 or L2C 50% of the tasks contained in Appendix II to the AMC relevant to the license category and to the applicable aircraft type ratings or aircraft (sub) group ratings being endorsed.

**All** tasks listed need to be performed, including the ones marked with an “X”, unless as otherwise indicated (depending on the category).

Removal of limitations:

- For removal of the limitation “Excluding ELA1 Aeroplanes” perform the tasks marked with an “X”.
- For removal of the limitation “Excluding electric powerplants” perform the tasks mentioned under electrical propulsion.
- For the removal of the limitation “Excluding turbine powerplants” perform the tasks mentioned under jet propulsion.
- For removal of the limitation “Excluding Engines/Engine instruments” perform the tasks mentioned under propeller, piston engines, fuel and control, ignition systems, engine indicating and exhaust.
- For removal of the limitation “Excluding structure and mechanical systems” perform the tasks mentioned under wooden structure/metal tubes and fabric, composite structures, metal structures.

## Section 5

This Logbook consist out 7 columns. All the columns needs to be completely filled.

In column 1: ELA 1 removal (marked with X)

In column 2: Task title

In column 3: Aircraft type/construction

In column 4: Job/Work order number (if applicable)

In column 5: Aircraft Registration

In column 6: Signature of supervisor

In column 7: Date task performed

Example:

1

2

3

4

5

6

7

ELA1: Limitation removal	Task title	Aircraft type/construction:	Job/Work order No:	A/C registration:	Supervised by: (sign)	Date task performed:
<b>X</b>	Elevator -removal, balancing and re-installation		<b>WO:20219005</b>	<b>PH-???</b>	<b>signature</b>	01-02-2019

## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>General Activities</b>				**	
	Check and/or replace placards				*	
	Weighing, Weight & Balance Sheet				*	
	Documentation of annual inspection and repairs				*	
	Review records for compliance with airworthiness directives				*	
	Five annual inspections;					
	Annual inspection (1)				*	
	Annual inspection (2)				*	
	Annual inspection (3)				*	
	Annual inspection (4)				*	
	Annual inspection (5)				*	
	Inspection after an occurrence				*	
	Dismantling/reinstallation of wings and empennages				*	
	Check and/or replace placards				*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:



## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Levelling and Weighing</b>					
	Level the sailplane				*	
	Weighing, Weight & Balance Sheet				*	
	Prepare a weight and balance amendment				*	
	Check the list of equipment				*	
					*	
	<b>Flight Controls and flight controls systems</b>					
X	Aileron and flaps — removal, balancing and reinstallation				*	
X	Elevator — removal, balancing and reinstallation				*	
X	Rudder — removal, balancing and reinstallation				*	
X	Rudder Cable — fabrication and installation				*	
X	Elevator pushrod — installation				*	
X	Safeguarding of pins, screws and castellated nuts				*	
X	Sealing of gaps				*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Electrical Systems</b>					
X	Electrical components, wiring — removal and installation				*	
X	Batteries — servicing				*	
					*	
					*	
	<b>Avionics Systems</b>					
	COM — removal and installation				*	
	NAV — removal and installation				*	
	TRANSPONDER — removal and installation				*	
	Antenna/Antenna cable — removal and installation				*	
					*	
					*	
					*	
					*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

### Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Cabin Equipment/Systems</b>					
X	Belts — safety harness removal and installation				*	
X	Oxygen system — removal, installation and test				*	
X	Canopy replacement or repair				*	
X	Pitot/Static system — removal, installation and test				*	
X	Flight instruments — removal and installation				*	
X	Installation of approved equipment				*	
X	Compass — installation and compensation				*	
X	Tow release — removal and installation				*	
X	Water ballast system — removal, installation and test				*	
X	Undercarriage — removal and installation				*	
X	Brake system — replacement of components.				*	
					*	
					*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

### Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Propeller (only for L2 and L2C)</b>					
X	Assemble propeller after transportation.				*	
X	Replace propeller.				*	
X	Replace governor.				*	
X	Adjust governor.				*	
X	Perform static functional checks.				*	
X	Check operation during ground run.				*	
X	Check track.				*	
X	Check setting of micro switches.				*	
X	Assessment of blade damage i.a.w. AMM.				*	
X	Dynamically balance prop.				*	
X	Troubleshoot faulty system.				*	
					*	
					*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Piston Engines (only for L2 and L2C)</b>					
X	Remove/install reduction gear.				*	
X	Check crankshaft run-out.				*	
X	Check tappet clearance.				*	
X	Check compression.				*	
X	Extract broken stud.				*	
X	Install helicoil.				*	
X	Perform ground run.				*	
X	Establish/check reference RPM.				*	
X	Troubleshoot.				*	
					*	
					*	
					*	
					*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

### Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Fuel and control, piston (only for L2 and L2C)</b>					
X	Replace engine driven pump.				*	
X	Adjust AMC.				*	
X	Adjust ABC.				*	
X	Install carburetor/injector.				*	
X	Adjust carburetor/injector.				*	
X	Clean injector nozzles.				*	
X	Replace primer line.				*	
X	Check carburetor float setting.				*	
X	Troubleshoot faulty system.				*	
					*	
					*	
					*	
					*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Ignition systems, piston (only for L2 and L2C)</b>					
X	Change magneto.				*	
X	Change ignition vibrator.				*	
X	Change plugs.				*	
X	Test plugs.				*	
X	Check H.T. leads.				*	
X	Install new leads.				*	
X	Check timing.				*	
X	Check system bonding.				*	
X	Troubleshoot faulty system.				*	
	<b>Engine Indicating (only for L2 and L2C)</b>					
X	Replace engine instruments(s).				*	
X	Replace oil temperature bulb.				*	
X	Replace thermocouples.				*	
X	Check calibration.				*	
X	Troubleshoot faulty system.				*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Exhaust, piston (only for L2 and L2C)</b>					
X	Replace exhaust gasket.				*	
X	Inspect welded repair.				*	
X	Pressure check cabin heater muff.				*	
X	Troubleshoot faulty system.				*	
					*	
	<b>Folding System (only for L2 and L2C)</b>					
	Verification and adjustment of folding system of powered sailplanes				*	
					*	
	<b>Electrical Propulsion (for removal of limitation)</b>					
	Energy system, accumulators, installation;				*	
	Electrical motor				*	
	Heat, noise and vibration checks;				*	
	Testing windings				*	
	Electrical wiring and control systems;				*	
	Pylon, extension and retraction systems;				*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:



## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	Motor/propeller brake systems;				*	
	Motor ventilation systems;				*	
	Practical experience of 100-hour/annual insp.				*	
					*	
					*	
	<b>Jet Propulsion (only for L2 and L2C)</b>					
	Engine installation;				*	
	Pylon, extension and retraction systems;				*	
	Fire protection;				*	
	Fuel systems including lubrication;				*	
	Engine starting systems, gas assist;				*	
	Engine damage assessment;				*	
	Engine servicing;				*	
	Engine removal / refit and test				*	
	Practical experience of conditional /run time /annual insp.				*	
	Conditional inspections				*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Wooden Structures/Metal Tubes and Fabric (only for L1 and L2)</b>					
	Inspection/testing for damages				*	
	Rib structure repair				*	
	Plywood skin repair				*	
	Recover or repair structure with fabric				*	
	nspect protective coating and finishing				*	
	Install patch on fabric material				*	
	Repair of fairings				*	
	Locking of pins, screws, castellated nuts, turnbuckles;				*	
	Thimble splice				*	
	Nicopress and Talurit repairs;				*	
	Repair of coverings;				*	
	Repair of transparencies;				*	
	Repair exercises (plywood, stringer, handrails, skins);				*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Composite Structures</b>					
	Laminate repair				*	
	Sandwich structure repair				*	
	Partial gel coat repair				*	
	Complete gel coating				*	
	Repair of fairings				*	
	Locking of pin, screws, castellated nuts, turnbuckles;				*	
	Thimble splice				*	
	Nicopress and Talurit repairs;				*	
	Repair of coverings;				*	
	Repair of solid FRP shells;				*	
	Mold fabrication/molding of a component (e.g. fuselage nose, landing gear fairing, wing tip and winglet);				*	
	Repair of sandwich shell where interior and exterior layer are damaged;				*	
	Repair of sandwich shell by pressing with a vacuum bag;				*	
	Transparency repair (PMMA) with one- and two-component adhesive;				*	
	Bonding of transparency with the canopy frame;				*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

## Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	Tempering of transparencies and other components;				*	
	Performance of a repair on a sandwich shell (minor repair less than 20 cm);				*	
	<b>Metal Structures (only for L1 and L2)</b>					
	Crack testing				*	
	Repair of covering				*	
	Drilling cracks				*	
	Riveting jobs				*	
	Bonding of structures				*	
	Anti-corrosion treatment				*	
	Repair of fairings				*	
	Locking of pins, screws, castellated nuts, turnbuckles;				*	
	Thimble splice				*	
	Nicopress and Talurit repairs;				*	
	Repair of coverings, surface damage, stop drilling techniques;				*	
	Repair of transparencies;				*	
	Cutting out sheet metals (aluminiums and light alloys, steel and alloys);				*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

### Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	Folding bending, edging, beating, smoothening, beading;				*	
	Repair riveting of metal airframes according to repair instruction or drawings;				*	
	Evaluation of rivet errors;				*	
					*	
					*	
	<b>Additional Tasks</b>					
					*	
					*	
					*	
					*	
					*	
					*	
					*	
					*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.

Name (logbook owner):

Signature:

Date:

### Section 6

ELA1: Lim.removal	Task title	Aircraft type/construction:	Job/Work Order No:	A/C registration:	Supervised by: (sign)	Date task performed:
	<b>Additional Tasks</b>					
					*	
					*	
					*	
					*	
					*	
					*	
					*	
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					*	
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					*	
					*	
					*	

\* The above work has been carried out by the logbook owner under my supervision and in accordance with the appropriate technical documentation.  
 Name (logbook owner): \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_