

Practical experience for Balloons and Airships, cat. L3 and L4

This logbook is intended to demonstrate practical experience it is based on AMC/GM Appendix II (3). For detailed information regarding experience requirements see EASA Part 66.A.45 and AMC material. Practical experience to be demonstrated for Group 4 aircraft (ref Guidance Material to Part 66 section A). Topics that do not apply to the aircraft in question can be skipped. Additional tasks can be added.

This logbook is intended to demonstrate practical experience on the following aircraft type.

Please indicate for which category this Logbook is being used:

- L3H: Hot-air balloons
- L3G: Gas balloons
- L4H: Hot-air airships
- L4G: ELA2 Gas airships

L3H	L3G	L4H	L4G

1. Details applicant

Name _____

Surname _____

Nationality _____

Address _____

Postal Code _____

Place of residence _____

AML number _____

2. Details Company (if applicable)

Company Name _____

Address _____

Part-145 approval no. _____

CATEGORY L3 AND L4 BASIC EXPERIENC FOR BALLOONS AND AIRSHIPS

1. Details Supervisor/CS

Company or Aero club Name:	Address:		Part 145 Approval reference (if applicable):
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 or Aero club Name:	Address:		Part 145 Approval reference (if applicable):
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.
If More than one page is needed, please print out this page as much as required.

CATEGORY L3 AND L4 BASIC EXPERIENC FOR BALLOONS AND AIRSHIPS

1. Type balloon/airship

For a AML for category **L3 and L4** it should be indicated with which aircraft experience has been gained.

L3H: hot-air balloons,
L3G: gas balloons,
L4H: hot-air airships,
L4G: ELA2 gas airships

L3H: Type balloon/airship 1.....2.....3.....4.....
 L3G: Type balloon/airship 1.....2.....3.....4.....
 L4H: Type balloon/airship 1.....2.....3.....4.....
 L4G: Type balloon/airship 1.....2.....3.....4.....

2. Duration of the experience dd-mm-ijjj from: until :

3. Details Quality Manager/assessor

By signing, the quality manager/assessor declares that the technician has sufficiently met the experience requirement for the registration of the aircraft on his Aircraft Maintenance License (AML).

Name : _____
Place : _____
Company : _____
Date : _____
Signature : _____

CATEGORY L3 AND L4 BASIC EXPERIENC FOR BALLOONS AND AIRSHIPS

80% of the tasks must be completed. Tasks marked with a (*) are mandatory for the aircraft!

Task	Balloon			Airship		A/C Registration of workorder	Signature mechanic	Signature supervisor	Date task performed
	Hot air	Gas	Tethered gas	Hot air	Gas				
General Activities									
Functionality test of aircraft (*)	X	X	X	X	X				
Check and/or replace placards	X	X	X	X	X				
Documentation of annual inspection, repairs, Airworthiness Directives, and equipment. (*)	X	X	X	X	X				
Classification repair (*)	X	X	X	X	X				
Weighing									
Weighing and weighing report (*)	X	X	X	X	X				
Servicing									
Lubrication of controls when applicable			X	X	X				
Cleaning of envelope, basket and burner	X	X	X	X	X				
Inspections									
Eight annual inspections (covering at least 3 different types) (*)	X					Ref. W.O. 1-2-3-4-5-6-7-8			
Five annual inspections (covering at least 2 different types) (*)		X				Ref. W.O. 1-2-3-4-5			
Three annual inspections (covering at least 2 different types) (*)			X	X		Ref. W.O. 1-2-3			
Two annual inspections (*)					X	Ref. W.O. 1-2			
Strength test of envelope fabric (*)	X	X	X	X	X				

CATEGORY L3 AND L4 BASIC EXPERIENC FOR BALLOONS AND AIRSHIPS

Task	Balloon			Airship		A/C Registration of workorder	Signature mechanic	Signature supervisor	Date task performed
	Hot air	Gas	Tethered gas	Hot air	Gas				
Removal, inspection and reinstallation of flight control systems:									
Control surface cable					X				
Trim system					X				
Safeguarding of pins, screws, castellated nuts (*)			X	X	X				
Stick and pedals					X				
Hydraulic/mechanical control systems			X		X				
Ballonet control systems (*)			X	X	X				
Electrical control systems			X		X				
Valves (gas valve, turning vent, parachute or rip panel) (*)	X	X	X	X	X				
Control and shroud lines and pulleys	X	X	X	X	X				
Elevator stabilizer (incl. balancing if applicable)					X				
Rudder (incl. balancing if applicable)					X				
Drag rope		X							
Electrical System									
Removal/installation of electrical wires			X	X	X				
Removal/installation of electrical components			X	X	X				
Servicing of batteries	X	X	X	X	X				

CATEGORY L3 AND L4 BASIC EXPERIENC FOR BALLOONS AND AIRSHIPS

Task	Balloon			Airship		A/C Registration of workorder	Signature mechanic	Signature supervisor	Date task performed
	Hot air	Gas	Tethered gas	Hot air	Gas				
Communication System — Transponder									
Removal/installation of COM	X	X	X	X	X				
Removal/installation of NAV					X				
Removal/installation of TRANSPONDER	X	X	X	X	X				
Installation of antenna	X	X	X	X	X				
Replacement of antenna cable	X	X	X	X	X				
Cabin and Equipment									
Pitot/static systems/tubes — removal, installation and replacement					X				
Flight instruments — removal, installation and replacement	X	X	X	X	X				
Installation of an approved system	X	X	X	X	X				
Magnetic compass installation/compensation					X				
Check fire extinguisher	X			X	X				
Replacement of Ballast									
Water ballast (when applicable)					X				
Sand/shot ballast (when applicable)		X	X		X				
Inspection and rigging of valves					X				

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Task	Balloon			Airship		A/C Registration of workorder	Signature mechanic	Signature supervisor	Date task performed
	Hot air	Gas	Tethered gas	Hot air	Gas				
Envelope									
Inspection and repair of envelope panels/gores/seams	X	X	X	X	X				
Inspection and repair of load tapes and attachment points	X	X	X	X	X				
Inspection and repair of deflation system	X	X		X					
Inspection and repair of net		X	X						
Inspection and repair of mooring system			X						
Electrostatic conductivity test (if type is approved for hydrogen) (*)		X			X				
Ballonet inspection and repair			X		X				
Fabrication and inspection of a suspension cable or rope	X	X	X	X	X				
Fabrication and inspection of a catena				X	X				
Load ring/frame									
Crack detection (welded and machined parts) (*)	X	X	X	X					
Heater System									
Removal, inspection and reinstallation thereof	X			X					
Inspection and cleaning of vaporiser and filter (*)	X			X					
Inspection and replacement of hoses (*)	X			X					
Inspection and replacement of pilot flame ignition unit (*)	X			X					

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Task	Balloon			Airship		A/C Registration of workorder	Signature mechanic	Signature supervisor	Date task performed
	Hot air	Gas	Tethered gas	Hot air	Gas				
Envelope Heater System continued									
Sealing of fittings (*)	X			X					
Pressure and leak test (*)	X			X					
Disassembly and assembly of fuel cells (*)	X			X					
10-year inspection of fuel cell	X			X					
Basket/Gondola									
Removal, inspection and reinstallation thereof (as applicable)	X	X	X	X	X				
Fabrication and inspection of a suspension cable or rope (*)	X	X							
Removal/installation of padding	X	X							
Removal/installation of belts/safety harness				X	X				
Removal/installation of essential elements of the cabin	X	X	X	X	X				
Fabrication and inspection of a basket wire	X	X	X						
Inspection of operational equipment and its fixation points	X	X	X	X	X				
Crack detection and repair (welded parts and frames)	X	X	X	X	X				
Landing Gear									
Removal, inspection and reinstallation of wheels			X	X	X				
Removal, inspection and reinstallation of brakes					X				
Removal, inspection and reinstallation of shock absorber					X				

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Task	Balloon			Airship		A/C Registration of workorder	Signature mechanic	Signature supervisor	Date task performed
	Hot air	Gas	Tethered gas	Hot air	Gas				
Wood Structure									
Structure repair	X	X	X						
Inspect protective coating	X	X	X						
Composite structure									
Laminate repair			X		X				
Sandwich structure repair			X		X				
Metal Structures									
Crack detection (welded and machined parts)	X	X	X	X	X				
Riveting jobs				X	X				
Bonding of structures		X	X	X	X				
Anti-corrosion treatment			X	X	X				
Repair of fairings			X		X				



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Task	Balloon			Airship		A/C Registration of workorder	Signature mechanic	Signature supervisor	Date task performed
	Hot air	Gas	Tetherd gas	Hot air	Gas				
Engine									
Tasks for aeroplanes of comparable certification level				X	X				
TBD									
Exhaust System									
Tasks for aeroplanes of comparable certification level				X	X				
TBD									
Propeller									
Tasks for aeroplanes of comparable certification level				X	X				
TBD									
Fuel system									
Tasks for aeroplanes of comparable certification level				X	X				
TBD									
Hydraulic system									
Tasks for aeroplanes of comparable certification level				X	X				
TBD									
Pneumatic system									
Tasks for aeroplanes of comparable certification level				X	X				
TBD									

