



# Seminarium

## Commission Regulation (EU) 2018/1142

# L och B2L licenser

Krister Bratt  
Sektionen för underhålls och  
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**Commission Regulation (EU) 2018/1142** of 14 August 2018 amending Regulation (EU) No 1321/2014 as regards the introduction of **certain categories of aircraft maintenance licences**, the modification of the acceptance procedure of components from external suppliers and the modification of the maintenance training organisations' privileges

# L och B2L licenser, bakgrund



## Commission Regulation (EU) 2018-1142

European Aviation Safety Agency Opinion  
No 05/2015

Publication date of the Opinion: 2015/Q2

Publication date of the **Decision: 2016/Q4**

# L och B2L licenser, bakgrund

- This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.
- 16 August 2018
- It shall apply from 5 March 2019.
- (a) the requirement for the competent authority to issue aircraft maintenance licences in accordance with Annex III (Part-66), shall apply from **1 October 2019**;
- (b) the requirement for certifying staff to be qualified in accordance with Annex III (Part-66) shall apply from
- **1 October 2019**.

# L och B2L licenser , bakgrund

- **Subject 1 (B2L):** Adapt the current licensing requirements for maintenance of avionics and electrical systems to the lower complexity of light aircraft.
- **Subject 2 (L):** Propose a simple and proportional system for the licensing of certifying staff involved in the maintenance of aircraft other than aeroplanes and helicopters and of ELA1 aeroplanes.

IX. Part-66 CATEGORIES

VALIDITY	A	B1	B2	B2L	B3	L	C
Aeroplanes Turbine			n/a	n/a	n/a	n/a	n/a
Aeroplanes Piston			n/a	n/a	n/a	n/a	n/a
Helicopters Turbine			n/a	n/a	n/a	n/a	n/a
Helicopters Piston			n/a	n/a	n/a	n/a	n/a
Avionics	n/a	n/a			n/a	n/a	n/a
Complex motor-powered aircraft	n/a	n/a	n/a	n/a	n/a		
Aircraft other than complex motor-powered aircraft	n/a	n/a	n/a	n/a	n/a		
Sailplanes, powered sailplanes, ELA1 aeroplanes, balloons and airships	n/a	n/a	n/a	n/a			n/a
Piston engine non pressurised aeroplanes of 2 000 kg MTOM and below	n/a	n/a	n/a			n/a	n/a

X. Signature of issuing officer & date:

XI. Seal or stamp of issuing authority:

# L och B2L licenser

## Part-66 tidigare

B1.1, B1.2, B1.3

B1.4, B2, C



## B3



## Part-66 idag

B2L



L1C, L1, L2C, L2,  
L3H, L3G, L4H,  
L4G, L5





# L och B2L licenser, privilegier

- **A category L** aircraft maintenance licence shall permit the holder to issue **certificates of release to service and to act as L support staff for the following:**
  - — maintenance performed on aircraft structure, power plant and mechanical and electrical systems;
  - — work on radio, Emergency Locator Transmitters (ELT) and transponder systems; and
  - — work on other avionics systems requiring simple tests to prove their serviceability.



# L och B2L licenser, privilegier

- **A category B2L** aircraft maintenance licence shall permit the holder to **issue certificates of release to service and to act as B2L support staff for the following:**
  - — maintenance performed on electrical systems;
  - — maintenance performed on avionics systems within the limits of the system ratings specifically endorsed on the licence, and
  - — when holding the ‘airframe system’ rating, performance of electrical and avionics tasks within power plant and mechanical systems, requiring only simple tests to prove their serviceability.

# L och B2L licenser, privilegier

- The **B2L licence** is applicable to **all aircraft other than those in Group 1** and is divided into the following **‘system ratings’**:
  - communication/navigation (com/nav),
  - instruments,
  - autoflight,
  - surveillance,
  - airframe systems.
- A B2L licence shall contain, as a minimum, one system rating.

# L och B2L licenser, utbildningskrav

## The minimum duration of a complete basic training course :

- B2            2 400            50–60 % theory
- **B2L**        **1 500**            **50–60 % theory**
- **L**            **Examinations only**



# L och B2L licenser, ratings

Category	L	B2L
Systemrating	L1C, L1, L2C, L2, L3H, L3G, L4H, L4G, L5	<ul style="list-style-type: none"> <li>- communication/navigation</li> <li>- instruments,</li> <li>- autoflight,</li> <li>- surveillance,</li> <li>- airframe systems.</li> </ul>
Examinations	Modules acc. to Part-66. 147 org. or NAA or "as agreed by the NAA"	Modules acc. to Part-66. 147 org. or NAA
147 Basic Training course	N/A	1500 hours
Experience req.	1 (with limitations*) - 2 years	1-3 years depending on training

# L och B2L licenser, privilegier

System rating	Duration (in hours)	Theoretical Training Ratio (in %)
COM/NAV	90	
INSTRUMENTS	55	50–60
AUTOFLIGHT	80	
SURVEILLANCE	40	
AIRFRAME SYSTEMS	100	

# L och B2L licenser, ratings

## Category L ratings

- **L1C:** composite sailplanes
- **L1:** sailplanes,
- **L2C:** composite powered sailplanes and composite ELA1 aeroplanes,
- **L2:** powered sailplanes and ELA1 aeroplanes,
- **L3H:** hot-air balloons,
- **L3G:** gas balloons,
- **L4H:** hot-air airships,
- **L4G:** ELA2 gas airships, and
- **L5:** gas airships other than ELA2.

# L och B2L licenser, ratings

Category	L	B2L
Ratings	<ul style="list-style-type: none"><li>➤ <b>L1C</b>: composite sailplanes</li><li>➤ <b>L1</b>: sailplanes,</li><li>➤ <b>L2C</b>: composite powered sailplanes and composite ELA1 aeroplanes,</li><li>➤ <b>L2</b>: powered sailplanes and ELA1 aeroplanes,</li><li>➤ <b>L3H</b>: hot-air balloons,</li><li>➤ <b>L3G</b>: gas balloons,</li><li>➤ <b>L4H</b>: hot-air airships,</li><li>➤ <b>L4G</b>: ELA2 gas airships</li><li>➤ <b>L5</b>: the appropriate airship type rating</li></ul>	<ul style="list-style-type: none"><li>➤ . for Group 2 aircraft, the appropriate <b>manufacturer subgroup rating or full subgroup rating</b>;</li><li>➤ 2. for Group 3 aircraft, the <b>full group rating</b>; and</li><li>➤ 3. for Group 4 aircraft, the <b>full group rating</b>.</li></ul>



# L och B2L licenser

- **Group 1:** complex motor-powered aircraft, helicopters with multiple engines, aeroplanes with maximum certified operating altitude exceeding FL290, aircraft equipped with fly-by-wire systems, gas airships other than ELA2
- **Group 2:**
  - subgroup 2a: single turboprop engine aeroplanes;
  - subgroup 2b: single turbine engine helicopters; and
  - subgroup 2c: single piston engine helicopters.
- **Group 3:** piston engine aeroplanes other than those in Group 1.

## Ny grupp:

- **Group 4: sailplanes, powered sailplanes, balloons and airships, other than those in Group 1.'**

IX. Part-66 CATEGORIES

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Aeroplanes Piston			n/a	n/a	n/a	n/a	n/a
Helicopters Turbine			n/a	n/a	n/a	n/a	n/a
Helicopters Piston			n/a	n/a	n/a	n/a	n/a
Avionics	n/a	n/a			n/a	n/a	n/a
Complex motor-powered aircraft	n/a	n/a	n/a	n/a	n/a		
Aircraft other than complex motor-powered aircraft	n/a	n/a	n/a	n/a	n/a		
Sailplanes, powered sailplanes, ELA1 aeroplanes, balloons and airships	n/a	n/a	n/a	n/a			n/a
Piston engine non pressurised aeroplanes of 2 000 kg MTOM and below	n/a	n/a	n/a			n/a	n/a

X. Signature of issuing officer & date:

XI. Seal or stamp of issuing authority:

# L och B2L licenser, exempel...

XII. PART-66 RATINGS		
Aircraft rating/ System ratings	Category/Subcategory	Stamp & Date
Autoflight, Instruments Manufacturer subgroup rating Airbus	B2L	2018/10/03
Communication/ navigation (com/nav), Group 3 aircraft, full group rating	B2L	2018/10/03
Composite sailplanes	L1C	2018/10/03
Gas Balloons	L3G	2018/10/03
Hot-Air balloons	L3H	2018/10/03
III. Licence No: SE.66.19xxnmm-5555		

# L och B2L licenser

- Ta fram en konverteringsrapport
- Följa AMC och GM
- Samarbete/Delegering till bransch organisationer
- Inga privilegier enligt de nationella reglerna får förloras



## Frågor





# Tack för er uppmärksamhet

Krister Bratt  
Sektionen för underhålls och  
tillverkningsorganisationer