



# EASA

European Aviation Safety Agency



## Workshop

**26./27. August 2008**

From JARs to IRs – Flight Crew Licensing

**The Private Pilot Licence PPL**

**The Sailplane Pilot Licence SPL**

**The Balloon Pilot Licence BPL**

**Matthias Borgmeier**  
**Rulemaking Officer - EASA**



# Flight Crew Licensing Private Pilot Licence

---



## Contents

- ✧ **Introduction**
- ✧ **General Requirements (Subpart A)**
- ✧ **PPL / SPL / BPL (Subpart C)**
- ✧ **Additional ratings (Subpart I)**
- ✧ **Instructor / examiner certificates (J/K)**
- ✧ **Content of the AMCs/GM**
- ✧ **Summary**

## Discussion



# FCL – Structure

NPA 2008/17b Draft Opinion Part-FCL

---



## Annex I to Implementing Regulation Part-FCL

- ➔ Subpart A - General Requirements
- ➔ Subpart B - Leisure Pilot Licence (LPL)
- ➔ **Subpart C - PPL / SPL / BPL**
- ➔ Subpart D/E/F - CPL / MPL / ATPL
- ➔ Subpart G - Instrument Rating - IR
- ➔ Subpart H - Class and Type ratings
- ➔ **Subpart I - Additional Ratings**
- ➔ **Subpart J - Instructors**
- ➔ **Subpart K - Examiners**



# FCL – Structure

NPA 2008/17b Draft Opinion Part-FCL

---



## Part-FCL

### Appendices 1 – 12

- ➔ Appendix 1 – Crediting of Theoretical Knowledge
- ➔ Appendix 12 – Skill Test, Proficiency Check - Instructor

### Draft Decision AMC and GM for Part-FCL

- ➔ AMC and GM to Subpart A – General Requirements
- ➔ AMC and GM to Subpart C – PPL / SPL / BPL
- ➔ AMC and GM to Subparts I / J / K
- ➔ AMC to Appendix 12 (Instructor skill test form)



European Aviation Safety Agency

# Private Pilot Licence

NPA 2008/17b Draft Opinion Part-FCL

---



## ➔ The concept for the PPL / SPL / BPL

- Transfer of JAR-FCL
- ICAO Annex I
- national requirements SPL /BPL
- proposals of the experts



# The outcome ? PPL / SPL / BPL

---

## Annex I to Implementing Regulation Part-FCL Subpart A - General Requirements

### FCL.010 Definitions

- aerobatic flight
- airship definition
- Flight time definition
- group of balloons
- (powered) sailplane / Touring Motor Glider



# Requirements for PPL / SPL / BPL

---



## Part-FCL

### Subpart A - General Requirements

- ➔ FCL.015 Issue of licences, ratings & certificates
  - ➔ FCL.020 Student Pilot (age before solo)
  - ➔ FCL.025 Theoretical knowledge examinations
    - ➔ FCL.030 Practical skill test
    - ➔ FCL.035 Crediting of flight time and TK
    - ➔ FCL.055 Language proficiency
    - ➔ FCL.060 Recent experience



# Subpart C

## PPL / SPL / BPL



### Part-FCL

Subpart C – PPL / SPL /BPL (page 18-22)

Section 1 – Common Requirements

- ✈ FCL.200 Minimum Age (16/17 years)
  - ✈ FCL.205 Conditions
- ✈ FCL.215 Theoretical Knowledge examination
  - ✈ FCL.235 Skill test





# Subpart C

## PPL / SPL / BPL



## Section 2 – Specific Requirements for the PPL(A)

### FCL.205.A PPL(A) - Privileges

- ➔ (a) The privileges of the holder of a PPL(A) are to act without remuneration as pilot in command or copilot of aeroplanes engaged in noncommercial operations.
- ➔ (b) Notwithstanding the paragraph above, the holder of a PPL(A) may receive remuneration for the provision of flight instruction for the LPL(A) or the PPL(A).



# Subpart C

## PPL / SPL / BPL



### Section 2 – Specific Requirements for the PPL(A)

#### FCL.210.A – Experience requirements and crediting

- ➔ 45 hours of flight time (max. 5h FSTD)
  - ➔ 25 h dual & 10h solo
  - ➔ 5h solo cross country & 150 NM flight
- ➔ LPL(A) -> PPL(A): 5 h as PIC & 10h dual
- ➔ crediting up to 10 hours (no credits for BPL)



# Subpart C

## PPL / SPL / BPL

---



### Section 3 – Specific Requirements for the PPL(H)

#### FCL.205.H PPL(H) - Privileges

- ➔ (a) The privileges of the holder of a PPL(H) are to act without remuneration as pilot in command or copilot of helicopters engaged in noncommercial operations.
- ➔ (b) Notwithstanding the paragraph above, the holder of a PPL(H) may receive remuneration for the provision of flight instruction for the LPL(H) or the PPL(H).



# Subpart C

## PPL / SPL / BPL

---



### Section 3 – Specific Requirements for the PPL(H)

#### FCL.210.H – Experience requirements and crediting

- 45 hours of flight time (max. 5h FSTD)
- 25 h dual including 5h instrument & 10h solo
  - 5h solo cross country & 100 NM flight
- LPL(H) -> PPL(H): 5 h dual instrument instruction
  - crediting up to 6 hours (no credits for BPL)



# Subpart C

## PPL / SPL / BPL



## Section 5 – Specific Requirements for the PPL(As)

### FCL.205.As PPL(As) - Privileges

- ➔ (a) The privileges of the holder of a PPL(As) are to act without remuneration as pilot in command or copilot of airships engaged in noncommercial operations.
- ➔ (b) Notwithstanding the paragraph above, the holder of a PPL(As) may receive remuneration for the provision of flight instruction for the PPL(As).



# Subpart C

## PPL / SPL / BPL



### Section 5 – Specific Requirements for the PPL(As)

#### FCL.210.As – Experience requirements & crediting

- 35 hours of flight time (max. 5h FSTD)
- 25 h dual including 5h cross country (35 NM)
  - 3h instrument instruction
  - 8h solo flight time
- BPL (HAA) -> PPL(As): 10% up to 5 hours



European Aviation Safety Agency

# Subpart C

## PPL / SPL / BPL



### Section 6 – Specific Requirements for the SPL

#### FCL.205.S SPL – Privileges and conditions

- ➔ to act as PIC of sailplanes, powered sailplanes and / or Touring Motor Gliders
- ➔ not carry passengers unless completed 10h PIC
- ➔ restricted to non-commercial < 75h & age 18
- ➔ commercial privilege: proficiency check
- ➔ may receive remuneration for flight instruction



European Aviation Safety Agency

# Subpart C

## PPL / SPL / BPL

---



### Section 6 – Specific Requirements for the SPL

#### FCL.210.S SPL – Experience and crediting

- ➔ at least 10 hours as specified in FCL.110.S
  - ➔ LPL(S) -> SPL: full credit
- ➔ credit 10% up to 6 hours and 20 launches





European Aviation Safety Agency

# Subpart C

## PPL / SPL / BPL



### Section 6 – Specific Requirements for the SPL

- FCL.220.S SPL - Launch methods see FCL.130.S
- FCL.225.S SPL – Extension to TMG see FCL.135.S
- FCL.230.S SPL – Recency see FCL.140.S



## Main difference between SPL and LPL(S) ?



# Subpart C

## PPL / SPL / BPL

---



### Section 7 – Specific Requirements for the BPL

#### FCL.205.B BPL - Privileges and conditions

- ➔ to act as PIC of balloons and hot-air airships
- ➔ restricted to non-commercial < 75h & age 18
- ➔ commercial privilege: proficiency check
- ➔ may receive remuneration for flight instruction



# Subpart C

## PPL / SPL / BPL

---



### Section 7 – Specific Requirements for the BPL

#### FCL.210.B BPL – Experience and crediting

- ➔ same requirements as for the LPL(B) but on balloons of the same group (size related)
- ➔ groups (AMC - page 359): small/medium/large
- ➔ full credit for the LPL(B) holder



# Subpart C

## PPL / SPL / BPL



## Section 7 – Specific Requirements for the BPL

### FCL.225.B BPL – Extension class / group

- ➔ to another class: see FCL.135.B
- ➔ to another group within the same class:
  - ❑ at least 20 hours of flight time
  - ❑ 3 instruction flights on a balloon (relevant group)

### FCL.230.B BPL – recency see FCL.140.B



# Subpart C

## PPL / SPL / BPL

---



## Subpart I - Additional Ratings

- ✈ feedback of the NAAs
- ✈ discussion with the experts of FCL.001
  - ✓ aerobatic rating
  - ✓ sailplane & banner towing rating
    - ✓ night rating
    - ✓ mountain rating
  - ✓ additional requirements for flight tests



# Requirements for PPL / SPL / BPL

---



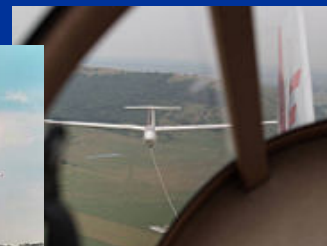
## Subpart I - Additional Ratings

### ✈ FCL.800 Aerobatic Rating

- ✓ completed 40 hours in appropriate category
- ✓ theoretical knowledge instruction (see AMC)
  - ✓ 5 hours dual aerobatic instruction time
- ✓ limited to category until dual familiarization



# Requirements for PPL / SPL / BPL



## Subpart I - Additional Ratings

### ➔ FCL.805 Sailplane & Banner Towing

- ✓ completed 150/100 hours as PIC
- ✓ 40h of these shall be in the category
- ✓ theoretical knowledge instruction (see AMC)
  - ✓ 10 dual instruction flights (see AMC)
- ✓ for sailplane towing: 3 familiarization flights



# Requirements for PPL / SPL / BPL

---



## Subpart I - Additional Ratings

### ✈ FCL.810 Night Rating (Aeroplanes, TMG & Airships)

- ✓ completed 5 hours flight time in appropriate category at night comprising:
- ✓ 3h dual instruction including 1h cross country
  - ✓ 5 Solo T/O and 5 full stop landings





# Requirements for PPL / SPL / BPL

---



## Subpart I - Additional Ratings

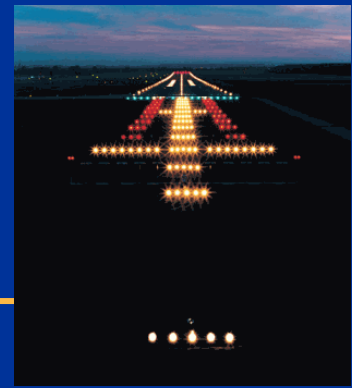
### FCL.810 Night Rating (Helicopters)

- ✓ completed 100 hours flight time in helicopters
  - ✓ 60h PIC & 20 hours cross country
  - ✓ training course with:
    - 5 hours theoretical knowledge
- 10 hours dual instrument instruction (IR credit)
  - 5 hours flight time / 3 dual & 5 solo circuits



# Requirements for PPL / SPL / BPL

---



## Subpart I - Additional Ratings

### FCL.810 Night Rating (Sailplanes & Balloons)

- ✓ completed 50 hours flight time in **sailplanes**
  - ✓ 5 hours dual instruction at night
  - ✓ limitation to „local flights“
  
- ✓ for **balloons**: 2 instruction flights with T/O during the night / average time of 90 min.



# Requirements for PPL / SPL / BPL

---



## Subpart I - Additional Ratings

### FCL.815 Mountain rating

- ✓ **privileges:** wheel & ski /flights from and to surfaces designated by the authorities
- ✓ **training course:** TK & practical training
  - ✓ **skill test**
  - ✓ **12 month validity**
- ✓ **revalidation:** 3 mountain landings or prof-check



# Requirements for PPL / SPL / BPL



## Subpart J - Instructors

### Section 3 – Specific requirements for the FI

#### FCL.905.FI Privileges and conditions

- ✓ conduct instruction for PPL, **SPL, BPL & LPL**
- ✓ class- and type ratings / group extensions
  - ✓ **ratings (experience / demonstration)**
- ✓ for FI / **LAFI certificate** (experience / skill test)
  - ✓ and others (CPL / IR / IRI / CRI / MPL)



# Requirements for PPL / SPL / BPL

---



## Subpart J - Instructors

### Section 3 – Specific requirements for the FI

#### **FCL.910.FI Restricted Privileges**

For FI (As)/(S)/(B) 15 h or 50 T/O covering the syllabus

#### **FCL.915.FI Pre-requisites for the course**

For FI (A): no CPL theoretical knowledge requirement

For FI (As): 500h flight time in As / 400h as PIC with

For FI (S): 100 hours and 200 launches (TMG: 30 hours)

For FI (B): 75 hours as PIC / at least 15 in class/group



# Requirements for PPL / SPL / BPL

---



## Subpart J - Instructors

### Section 3 – Specific requirements for the FI

#### FCL.930.FI Training Course

- TK instruction (FI (As): 125 hours)
- flight instruction (FI (As): 20 hours)

#### FCL.935.FI Skill test

- see Appendix 12 (for all categories)



# Requirements for PPL / SPL / BPL



## Subpart J - Instructors

### Section 3 – Specific requirements for the FI

#### FCL.940.FI Revalidation & Renewal

- the holder shall fulfil two of the three requirements
- flight training / refresher seminar / proficiency check
- for the FI (A): 50 hours / 15 h within preceding 12 months
- for the FI (AS): 20 hours / 6 h within preceding 12 months



# Requirements for PPL / SPL / BPL

---



## Subpart J - Instructors

### Section 3 – Specific requirements for the FI

## FCL.940.FI Revalidation & Renewal

New:

**For the first & at least each alternate subsequent revalidation in the case of FI (A) or FI (H) or each third in the case of the other FI ratings the holder shall have to pass a proficiency check**





# Requirements for PPL / SPL / BPL



## Subpart K - Examiners

### Section 2 – Specific requirements for the FE

#### **FCL.1005.FE Privileges and conditions**

**FE(A) / FE (H) / FE (As) / FE (S) / FE (B)**

#### **FCL.1010.FE Pre-requisites**

- FE(A) / FE (H) and FE (As): CPL
  - FE (S) / FE (B): BPL / SPL
- FI in the appropriate aircraft category



# Requirements for PPL / SPL / BPL

---



## Subpart K - Examiners

### Section 7 – Specific requirements for the FIE

#### **FCL.1005.FIE Privileges and conditions**

- to conduct skill tests or prof checks for the issue, revalidation or renewal of instructor certificates

#### **FCL.1010.FIE Pre-requisites**

- hold an FE (TRE/IRE) in the appropriate category
  - certain amount of PIC flight time
  - instructing applicants for an FI certificate



# AMC and GM for PPL / SPL / BPL



## Draft Decision AMC and GM for Part FCL

➔ **AMCs / GM to Subpart C (pages 269-359)**

- ❑ **Syllabus theoretical knowledge for PPL**

  - ❑ **TK examination**

  - ❑ **Content of the skill test for the PPL**

    - ❑ **Flight instruction – syllabus**

- ❑ **skill test for extensions to commercial privileges**

- ❑ **Extension of privileges - balloon class/group**



European Aviation Safety Agency

# AMC and GM PPL / SPL / BPL



## Draft Decision AMC and GM for Part FCL

→ **AMCs / GM to Subpart I (pages 385-393)**

- **Theoretical Knowledge & Flying Training**

- **PPL(H) Night Rating Course**

- **Mountain Rating skill test**



European Aviation Safety Agency

# AMC and GM PPL / SPL / BPL



## Draft Decision AMC and GM for Part FCL

→ **AMCs / GM to Subpart J (pages 394-575)**

- ❑ **FI training course**

- ❑ **FI refresher seminar (page 514)**

- ❑ **Revalidation & Renewal form (GM)**



European Aviation Safety Agency

# AMC and GM PPL / SPL / BPL



## Draft Decision AMC and GM for Part FCL

→ **AMCs / GM to Subpart K (pages 576-582)**

- **Examiner standardisation course**

- **Standardisation arrangements for FEs**

- **Assessment of competence**



# Requirements for PPL / SPL / BPL



## Summary for PPL/SPL/BPL

- the most important issues -

### Part-FCL

→ Subparts A / C / **H** / I / J / K

### Appendices

→ Appendices 1 & 12

### AMC and GM for Part-FCL

→ AMC and GM to Subpart A / C / **H** / I / J / K

→ AMC to Appendix 12



European Aviation Safety Agency

# Thank you for your attention !



## Discussion

Matthias Borgmeier - EASA

