



EASA

European Aviation Safety Agency



Workshop

26./27. August 2008

From JARs to IRs – Flight Crew Licensing

The Leisure Pilot Licence LPL

Matthias Borgmeier
Rulemaking Officer - EASA



Flight Crew Licensing Leisure Pilot Licence



Contents

- ✧ **Introduction**
- ✧ **Structure of the NPA – LPL related**
- ✧ **General Requirements (Subpart A)**
- ✧ **The Leisure Pilot Licence (Subpart B)**
- ✧ **Ratings and certificates (Subparts I / J / K)**
- ✧ **Content of the Appendices (1 / 12) and AMCs**
- ✧ **Summary**

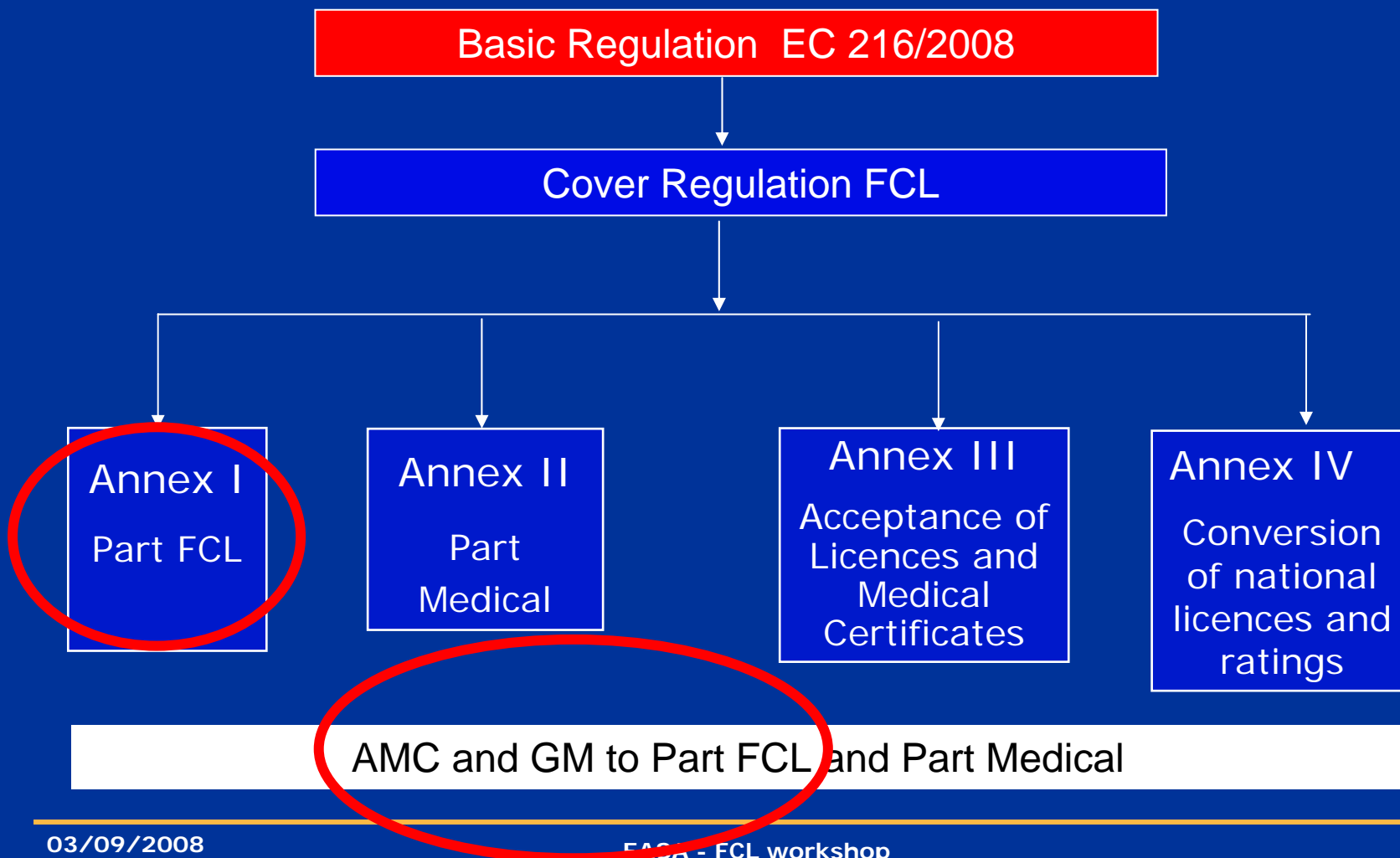
Discussion

(for criticism, comments, and detailed questions)



Flight Crew Licensing Leisure Pilot Licence

FCL - Structure



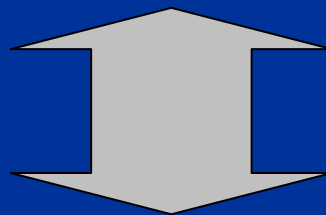


Flight Crew Licensing Leisure Pilot Licence

FCL – Structure / Annex I

**See: NPA 2008/17b – Draft Opinion & Decision Part-FCL
Annex I to Implementing Regulation Part-FCL**

**Subparts A – K (page 3–71)
Appendices 1 – 12 to Part FCL (page 72-158)**



**Acceptable Means of Compliance
and Guidance Material associated to Part FCL
(pages 169-647)**



FCL – Structure

NPA 2008/17b Draft Opinion Part-FCL



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



Annex I to Implementing Regulation Part-FCL

Appendices 1 – 12

- ➔ Appendix 1 – Crediting of Theoretical Knowledge
- ➔ Appendices 2 - 11
- ➔ 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 B - Leisure Pilot Licence
- ➔ AMC and GM to Subparts I / J / K
- ➔ AMC to Appendix 12 (Instructor skill test form)



Leisure Pilot Licence

NPA 2008/17b Draft Opinion Part-FCL



✈ The concept for the Leisure Pilot Licence

- Light Aircraft Pilot Licence
- FCL.001 & MDM.032 SG LAPL
- TORs / outcome A-NPA 14/2006
- ideas and proposals of the experts



Terms of Reference Subgroup LPL



“Propose a new concept for regulation of aircraft tailored to the complexity of the aircraft, used in non-commercial activities and draft the associated NPAs for the licensing rules.”



European Aviation Safety Agency

Leisure Pilot Licence

Draft Opinion Part-FCL



➔ The starting point for the LPL ?

- SG started April 2007
- review of A-NPA 14/2006
- comparison of national models

**„... lighter than JAR FCL, innovative,
agreeable and accessible...”**



The outcome ? LPL requirements



Part-FCL

Subpart A - General Requirements

FCL.010 Definitions

- aerobatic flight
- balloon & class/group of balloon
- Flight time
- (powered) sailplane
- Touring Motor Glider



LPL requirements

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.060 Recent experience



LPL requirements



Part FCL Subpart B – Leisure Pilot Licence Section 1 – Common Requirements

- ➔ FCL.100 Minimum Age of 16 years
- ➔ FCL.105 Privileges and conditions
- ➔ FCL.110 Crediting for the same A/C category
- ➔ FCL.120 TK (4 common subjects)



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 2 – Specific Requirements Basic LPL

FCL.105.BA/H Basic LPL - Privileges

- ➔ **Aeroplanes:** SEP or TMG with a max. certificated take off mass of 2000 kg / 1 Pax / „local flights“
- ➔ **Helicopters:** single engine piston helicopters / max. 2000 kg / 1 Pax / „local flights“



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 2 – Specific Requirements Basic LPL

FCL.110.BA/H Experience and crediting

- ➔ Aeroplanes: 20 hours flight instruction (10/4/3)
- ➔ Helicopters: 35 hours flight instruction (20/6/3)
- ➔ Crediting: 10% of total flight time as PIC in another AC category up to a maximum of 3 hours



European Aviation Safety Agency

LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 2 – Specific Requirements Basic LPL

FCL.135.BA/H Extension of privileges

- ➔ The privileges are limited to the class or type
 - ➔ Aeroplanes: 3 hours dual instruction (10/10)
 - ➔ Helicopters: 5 hours dual instruction (15/15)
 - ➔ Skill test (practical and theoretical)

➔ FCL.140.BA/H Basic LPL Recency Requirements



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 3 – Specific Requirements LPL(A)

- ➔ FCL.105.A LPL(A) Privileges
- ➔ FCL.110.A Experience and crediting
 - ➔ 30 hours flight instruction (15/6)
- ➔ including 3 hours solo cross country / 150 KM
- ➔ Basic LPL Holder: 10 hours flight training / XC
- ➔ Crediting: 10% up to a maximum of 6 hours

FCL.135.A LPL(A) Extension to another class



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 4 – Specific Requirements LPL(H)

- ➔ FCL.105.H LPL(H) Privileges
- ➔ FCL.110.H Experience and crediting
 - ➔ 45 hours flight instruction (25/10)
- ➔ including 5 hours solo cross country / 150 KM
- ➔ Basic LPL Holder: 10 hours flight training / XC
- ➔ Crediting: 10% up to a maximum of 6 hours

FCL.135.H LPL(H) Extension to another type



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 5 – Specific Requirements LPL(S)

- ✈ FCL.105.S LPL(S) Privileges
- ✈ (powered) sailplane / TMG / 10 hours Pax
- ✈ FCL.110.S Experience and crediting
 - ✈ 10 hours flight instruction (8/2)
 - ✈ including 40 launches
- ✈ Crediting: 10% - maximum of 6 hours / 20 T/O



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 5 – Specific Requirements LPL(S)

- ➔ FCL.130.S LPL(S) Launch methods
- ➔ limited to the launch method of the skill test
- ➔ additional training for the other launch methods
 - ➔ signed in the logbook by the instructor
- ➔ maintain the privilege: 5 launches - 24 months
- ➔ in order to renew: missing launches with FI



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 5 – Specific Requirements LPL(S)

➔ FCL.135.S LPL(S) Extension TMG



➔ limited to sailplanes and powered sailplanes

➔ additional training:

- ✓ 6 hours flight instruction on TMG
- ✓ 1 solo cross country flight of 150 KM
- ✓ skill test (TK 4 subjects included)



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 6 – Specific Requirements LPL(B)

- ➔ FCL.105.B LPL(B) Privileges
 - ➔ hot-air balloons / airships up to 4000m³
 - ➔ gas balloons up to 1200m³
 - ➔ carrying 3 passengers
- ➔ FCL.110.B Experience
 - ➔ 16 hours dual flight instruction & 1 solo flight
 - ➔ including at least 10 fillings & 20 take-offs



LPL requirements

Part-FCL



Subpart B – Leisure Pilot Licence

Section 6 – Specific Requirements LPL(B)

- ✈ FCL.135.B LPL(B) Extension to another class (hot-air & gas balloons / hot-air airships)
 - ✈ 5 instruction flights
 - ✈ in the case of HAB -> HAA: 5 hours
 - ✈ skill test including TK (4 subjects)



European Aviation Safety Agency

LPL requirements

Part-FCL Specific Requirements

FCL.140.A / H / S / B



Section 3/4/5/6 – Specific Requirements LPL

FCL.140.X LPL Recency requirements

- ✓ valid for life without a class- / typering
- ✓ within the last 24 months - always 3 options:
 1. certain amount of PIC flying time & T/O
 2. less amount PIC flying time & training flight(s)
 3. proficiency check

New:

At least once every 6 years a proficiency check !



European Aviation Safety Agency

LPL requirements

Part-FCL Specific Requirements

FCL.140.A / H / S / B



EXAMPLE

Section 3 – Specific Requirements LPL(A)

FCL.140.A Recency Requirements

- ➔ only exercise the privileges if completed (24 months):
 - ✓ 12 hours as PIC including 12 T/O **or**
 - ✓ 6 hours as PIC including 6 T/O & 1 Training Flight
 - ✓ **or** undertake a proficiency check

At least once every 6 years a proficiency check



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



LPL requirements



Part-FCL

Subpart I – Additional ratings



We are going to talk about the ratings later!



LPL requirements



Part FCL Subpart J – Instructors Section 1 – Common Requirements

- ➔ FCL.900 Instructor certificates
- ➔ FCL.915 General requirements for instructors
- ➔ FCL.920 Instructor competencies & assessment
- ➔ FCL.940 Validity of the certificate



LPL requirements

Part-FCL



Subpart J – Instructors

Section 2 – Specific requirements for LAFI

✈ FCL.905 LAFI Privileges and conditions

✈ conduct flight instruction for:

- ☐ Basic LPL and LPL
- ☐ class or type extensions
- ☐ night, aerobatic, towing rating
- ☐ LAFI certificate (experience / skill test)



LPL requirements

Part-FCL



Subpart J – Instructors

Section 2 – Specific requirements for LAFI

FCL.910 LAFI Restricted privileges

- ☐ flight instruction under supervision
- ☐ no first solo flights and solo cross country
- ☐ limitations will be removed when:
 - o LAFI (A)/(H) 50 hours instruction / 25 solo flights
 - o LAFI (S) 15 hours or 50 launches covering the full syllabus
 - o LAFI (B) 15 hours or 50 T/O covering the full syllabus



LPL requirements

Part-FCL



Subpart J – Instructors

Section 2 – Specific requirements for LAFI

FCL.915 LAFI Pre-requisites for the course

- ➔ passing of a pre-entry flight test (with FI)
- ➔ LAFI (A): 3 hours instrument instruction / 20 hours cross country / 200 (150) hours / 30 SEP
- ➔ LAFI (H): 10 hours instrument instruction / 20 hours cross country / 250 (200) hours / 15 type



LPL requirements

Part-FCL



Subpart J – Instructors

Section 2 – Specific requirements for LAFI

FCL.915 LAFI Pre-requisites for the course

- ➔ passing of a pre-entry flight test (with FI)
- ➔ LAFI (S): 100 hours and 200 launches / for TMG: additional 30 hours on TMGs
- ➔ LAFI (B): 75 hours on balloons / at least 15 hours in the class and group



LPL requirements

Part-FCL



Subpart J – Instructors

Section 2 – Specific requirements for LAFI

FCL.920LAFI Training Course

✈ TK instruction and instructional techniques

✈ dual flight instruction:

❑ LAFI (A) 15 hours (max. 3 hours FSTD)

❑ LAFI (H) 25 hours (max. 5 hours FSTD)

❑ LAFI (S) 10 hours or 20 launches

❑ LAFI (B) 3 hours and 3 take-offs

& FCL.935LAFI Skill Test



LPL requirements

Part-FCL



Subpart J – Instructors

Section 2 – Specific requirements for LAFI

FCL.940LAFI Revalidation and Renewal

- ➔ the instructor has to fulfill 2 of 3 requirements:
 - ☐ flight instruction
 - ☐ refresher seminar
 - ☐ proficiency check
- ➔ new: every third revalidation: proficiency check
- ➔ Renewal: refresher seminar & proficiency check



LPL requirements

Part-FCL



Subpart J – Instructors

Section 2 – Specific requirements for LAFI

FCL.940LAFI Revalidation and Renewal

Flight instruction

- ❑ LAFI (A)/(H): 45 hours / 15 hours (12 months)
- ❑ LAFI (S): 30 hours or 60 launches / 10 or 20
- ❑ LAFI (B): 6 hours / 2 hours preceding 12 months



LPL requirements

Part-FCL



Subpart K – Examiners

Section 1 – Common Requirements

- ➔ FCL.1000 Examiner certificates
- ➔ FCL.1005 Limitation of privileges
 - ➔ FCL.1010 Pre-requisites
- ➔ FCL.1015 Examiner standardisation
- ➔ FCL.1020 Examiner assessment of competence
 - ➔ FCL.1025 Validity, revalidation & renewal
 - ➔ FCL.1030 Obligations for examiners



LPL requirements

Part-FCL



Subpart K – Examiners

Section 2 – Specific requirements for FE

FCL.1005.FE Privileges and conditions

- ❑ the FE(A) and FE(H) privilege includes LPL
(skill test/prof check LPL(A): 500h total – 150h instruction)
- ❑ new: FE(LPL(S)) and FE(LPL(B))
 - prof check LPL(S): 300h – 150h or 300 T/O instruction
 - skill test/prof check on TMGs: 300 – 90h instruction TMG
 - skill test/prof check extension LPL(B): 250 – 75h instruction

& FCL.1010.FE Pre-requisites



LPL requirements

Part-FCL



Subpart K – Examiners

Section 7 – Specific requirements for FIE

✈ FCL.1005.FIE Privileges and conditions

✈ FCL.1020.FIE Pre-requisites

FIE(A) & FIE(H) – no specific LPL FIE

FIE(S) & FIE(B):

- ❑ instructing applicants for FI or LAFI
- ❑ holding a certificate as FE or FE(LPL)



LPL requirements

Part-FCL



Annex I to Implementing Regulation Part-FCL Appendices

Appendix 1 – Crediting of theoretical knowledge

- ➔ holder of another LPL: credit common subjects
- ➔ holder of another category & PPL: 4 subjects
- ➔ holder of LPL(S) full credit for GPL

(see also the appropriate AMC material)



LPL requirements

Part-FCL



Annex I to Implementing Regulation Part-FCL Appendices

Appendix 12 – Skill test & p.c. for instructors

- ➔ general explanations (seat/“student”/explain and demonstrate/correct the „student“)
- ➔ oral examination and a lecture
- ➔ additional demonstration exercises chosen by the examiner



AMC and GM for LPL



Draft Decision AMC and GM for Part FCL

➔ AMCs / GM to Subpart B (pages 189-268)

- ❑ Syllabus theoretical knowledge for LPL
 - ❑ TK examination
- ❑ Content of the skill test for the LPL
 - ❑ Flight instruction – syllabus
- ❑ additional instruction for extensions
 - ❑ skill test for extensions



European Aviation Safety Agency

AMC and GM for LPL



Draft Decision AMC and GM for Part FCL

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

❑ **LAFI Training course (Syllabus)**

❑ **LAFI refresher seminar (page 470-471)**

❑ **LAFI – revalidation & renewal form (GM)**



European Aviation Safety Agency

AMC and GM for LPL



Draft Decision AMC and GM for Part FCL

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

- ❑ **Examiner standardisation course**

- ❑ **Standardisation arrangements for examiners**

- ❑ **Assessment of competence**



European Aviation Safety Agency

Leisure Pilot Licence

NPA 2008/17b Draft Opinion Part-FCL



Summary for LPL pilots

- the most important issues -

Annex I Part-FCL

→ Subparts A / B / I / J / K

Appendices

→ Appendices 1 & 12

Draft Decision AMC and GM for Part-FCL

→ AMC and GM to Subpart A / B / I / J / K

→ AMC to Appendix 12



European Aviation Safety Agency

Thank you for your attention !



Discussion



Graham Forbes – CAA UK
Matthias Borgmeier - EASA

