



EASA
European Aviation Safety Agency

RMT.0654

Focused consultation workshop

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FCL Expert, EASA

21 June 2018

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- **Presentation: Article per Article, point per point**
- **How to comment?**
 - **„high-level comments“: after every Article / point**
 - **„low-level comments“: written consultation after the workshop**
 - **Comments to christian.kucher@easa.europa.eu, cc to daan.dousi@easa.europa.eu**
 - **Subject: „RMT.0654 comment“**
 - **Deadline: 6 July 2018**



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RMT.0654 - Focused consultation workshop

Amendments to the Cover Regulation (Regulation (EU) 2018/395)

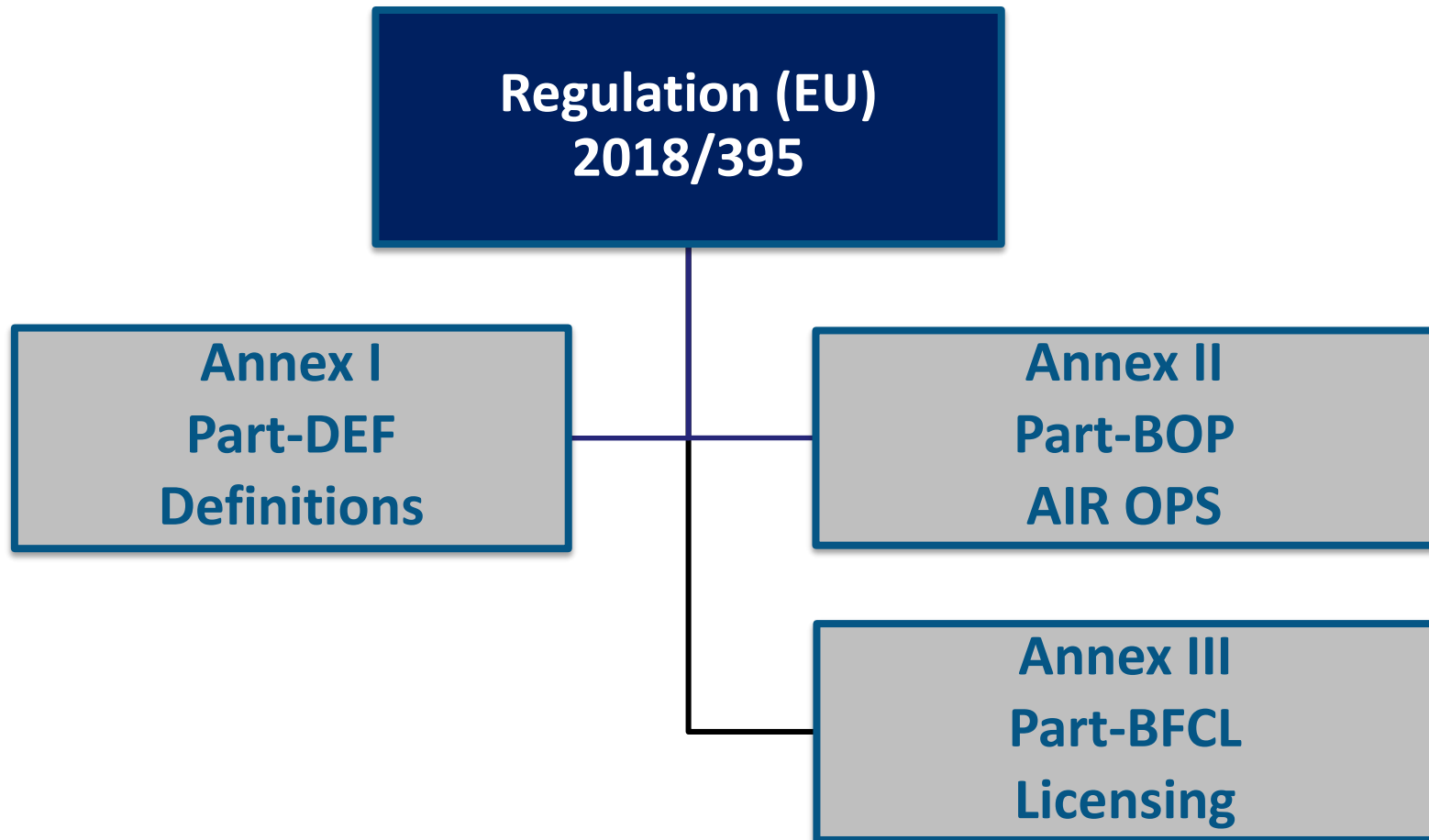
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➤ Title of the regulation to include FCL reference

„Regulation (...) laying down detailed rules for the operation of **as well as the flight crew licensing for** balloons...”

➤ Definitions added (as relevant for FCL-related Articles)

➤ Article 3a to 3e added



Article 3a

Article 3b

Article 3c

Article 3d

Article 3e

Pilot licences and medical certification

- Part-BFCL
- Part-MED (Annex IV) of Regulation (EU) No 1178/2011
- No commercial operation privileges needed for flights listed in Article 3(2)(a) to (d) (cost-shared flights etc...)



Article 3a

Article 3b

Article 3c

Article 3d

Article 3e

Existing pilot licences and national medical certificates

- Part-FCL licences: full 'grandfathering'
- National licences:
 - Valid until 8 April 2021
 - Conversion report → Part-BFCL licence
- National medical certificates: valid until they expire or until 8 April 2021 (whichever earlier), revalidation in accordance with Part-MED



Article 3a

Article 3b

Article 3c

Article 3d

Article 3e

Credit for training commenced prior to Part-BFCL

- Part-FCL training: deemed as commenced in accordance with Part-BFCL
- ICAO-compliant training: Credit report



Article 3a

Article 3b

Article 3c

Article 3d

Article 3e

Conditions for the acceptance of licences from third countries

- Validations and conversions: Annex III to Regulation (EU) No 1178/2011 applies
- Alternative*: reduced training, determined by Member State based on a recommendation from ATO/DTO

* Not yet reflected in the rule text



Article 3a

Article 3b

Article 3c

Article 3d

Article 3e

Training organisations

- ATOs / DTOs in accordance with Regulation (EU) No 1178/2011
- Adaption of training programmes, where necessary, by 8 April 2021 at the latest



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Amendments to Annex I (Part-DEF) of Regulation (EU) 2018/395

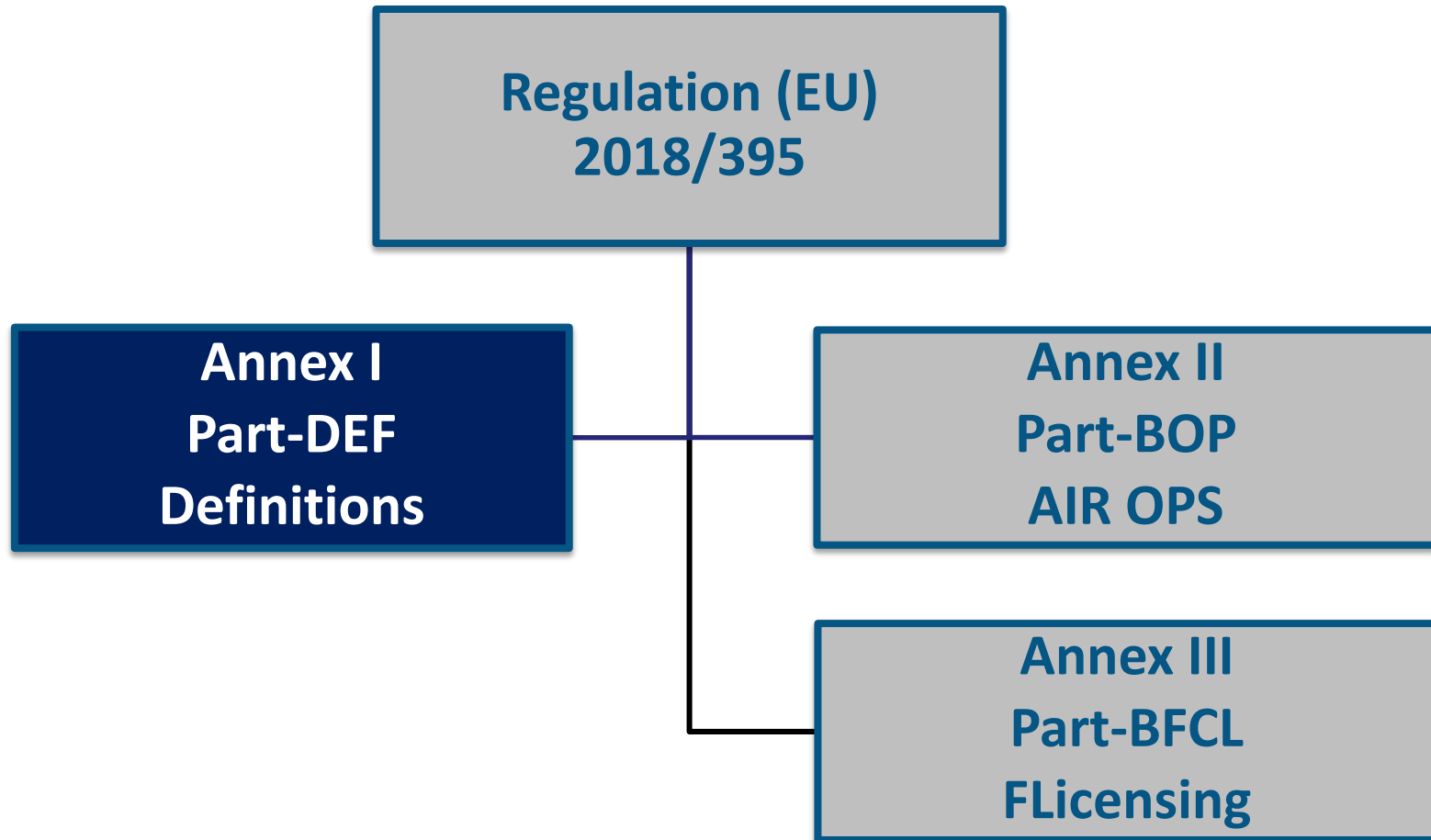
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- **Definitions added, as relevant for Part-BFCL (based on Part-FCL definitions)**
- **Order of appearance instead of alphabetical order**
- **New definition: „Tethered flight“**
„Flight with a tether system that anchors the balloon to a fixed point during operation, with the exception of a tether which may be used as part of the take-off procedure.“



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Annex III (Part-BFCL) to Regulation (EU) 2018/395

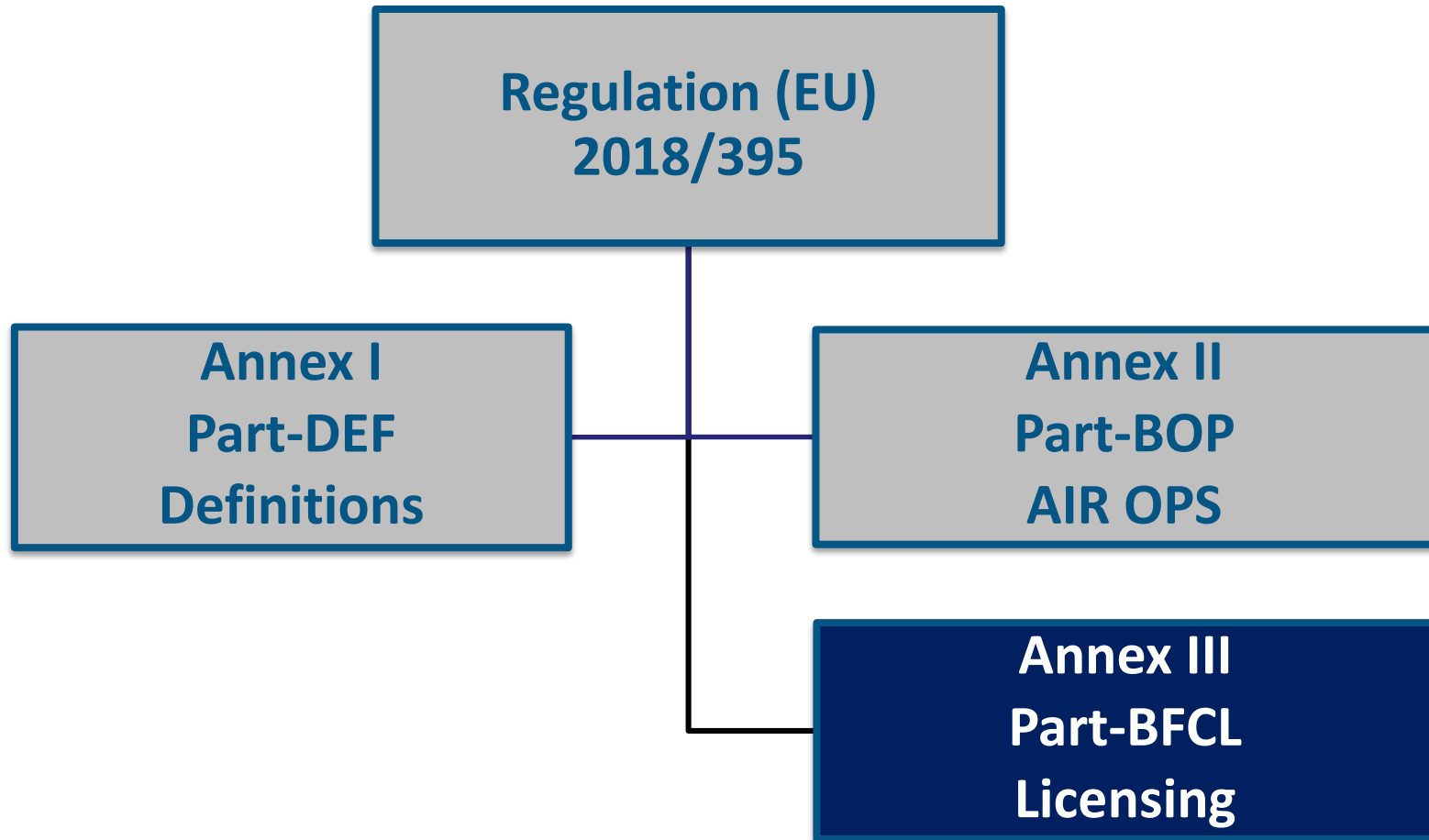
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Part-BFCL

Subpart GEN

No difference to Part-FCL

Difference to Part-FCL

Subpart FE



Part-BFCL

Subpart GEN

Subpart BPL

Subpart ADD

Subpart FI

Subpart FE



Part-BFCL

Subpart GEN

BFCL.001

➤ **Scope of Part-BFCL**

- Requirements for balloon pilot licences (BPL) and associated ratings, privileges and certificates
 - Issue
 - Conditions for their validity and use
- Modelled on Part-FCL, point FCL.005, tailored to balloons



Part-BFCL

Subpart GEN

BFCL.005

➤ **Competent authority**

- Authority designated by a Member State for issuing BPLs
- Modelled on Part-FCL, point FCL.001, tailored to balloons



Part-BFCL

Subpart GEN

BFCL.010

➤ **Classes of balloons**

➤ Categorisation into classes and groups:

- Hot-air balloons
- Gas balloons
- Mixed balloons
- Hot-air airships

Group A: up to 3400 m³

Group B: 3401 to 6000 m³

Group C: 6001 to 10500 m³

Group D: more than 10500 m³

Envelope sizes taken over from
existing AMC1 FCL.225.B



Part-BFCL

Subpart GEN

BFCL.015

➤ **Application and issue (...) of a BPL (...)**

- Application for BPL + ratings, privileges & certificates
 - in a form and manner established by the competent authority
- Endorsement of limitation & extension of privileges
- Change of competent authority („licence transfer“)
 - **Part-FCL and Part-BFCL licences need to be transferred together (not yet reflected in the rule text)**
- Modelled on Part-FCL, point FCL.015



Part-BFCL

Subpart GEN

BFCL.020

➤ **Practical skill test**

- Skill test only after recommendation from training organisation (ATO or DTO)
- Exception: Skill test for the commercial operation rating (no training at ATO/DTO takes place before)
- Modelled on Part-FCL, point FCL.030(b)



Part-BFCL

Subpart GEN

BFCL.025

➤ **Crediting of flight time**

- PIC, dual and solo flight time counts towards total flight time requirements
- Modelled on Part-FCL, point FCL.035 (a)(2)(i)



Part-BFCL

Subpart GEN

BFCL.030

➤ **Obligation to carry and present documents**

- Documents to be carried when flying:
 - BPL
 - Medical certificate
 - Personal identification document
 - **Sufficient log book data (for demonstration of compliance with recency requirements)**
 - Student pilots: Evidence of authorisation for solo flight
- Modelled on Part-FCL, point FCL.045



Part-BFCL

Subpart GEN

BFCL.035

➤ **Recording of flight time**

- Detailed records of all flights to be kept
- Form and manner of records as established by the competent authority (AMC: pilot's logbook)
- Modelled on Part-FCL, point FCL.050



Part-BFCL

Subpart GEN

BFCL.040

- **Curtailment of privileges of BPL holders aged 70 or more in commercial passenger ballooning**
 - BPL holders having attained 70 years: excluded from **commercial passenger ballooning (CBP)** (Part-FCL: „commercial air transport“)
 - Modelled on Part-FCL, point FCL.065 (c)



Part-BFCL

Subpart GEN

BFCL.045

- **Revocation, suspension and limitation of licences, privileges, ratings and certificates**
 - In case of non-compliances with
 - Essential requirements of the Basic Regulation*
 - Part-BFCL
 - Part-MED
 - Operational requirements (Part-BOP)
 - Procedures for revocation, suspension or limitation in Annex VI (Part-ARA) to Regulation (EU) No 1178/2011

* Not yet reflected in the rule text.



Part-BFCL

Subpart GEN

LAPL(B) deleted
No Subpart LAPL

Subpart FE



Part-BFCL

Subpart BPL

BFCL.100

➤ BPL – Privileges and conditions

- Without remuneration in non-commercial operation **LAPL MED**
- Commercial operations, **when holding a commercial operation rating (point BFCL.215)** **CLASS 2 MED**
- In any case: Remuneration for FIs & FEs
- Modelled on points FCL.205.B and FCL.040



Part-BFCL

Subpart BPL

BFCL.105

➤ **BPL – Minimum age**

- Applicant for a BPL: at least **16 years** of age
- Modelled on Part-FCL, point FCL.200 (b)



Part-BFCL

Subpart BPL

BFCL.110

➤ **BPL – Student pilots**

- Solo flights only with authorisation from an FI
- Before first solo: be at least 14 years of age
- Modelled on Part-FCL, point FCL.020



Part-BFCL

Subpart BPL

BFCL.115

- **BPL – Training course and experience requirements**
 - Training requirements (identical to Part-FCL, point FCL.210.B)
 - Theoretical knowledge instruction
 - 16 hours of flight instruction
 - 12 hours of dual flight instruction
 - 10 inflations, 20 take-offs and landings
 - 1 supervised solo flight, minimum 30 min
 - Initial BPL training only on gas balloons or group A hot-air balloons



Part-BFCL

Subpart BPL

BFCL.120

➤ **BPL – Theoretical knowledge examination**

➤ Common subjects:

- air law, human performance, meteorology, communications

➤ Specific subjects:

- Principles of flight, operational procedures, flight performance and planning, aircraft general knowledge, navigation



Part-BFCL

Subpart BPL

BFCL.120

➤ **BPL – Theoretical knowledge examination**

- All exams at one competent authority
- Examination only after recommendation from ATO/DTO
- Pass standards (75 % per paper)
- Validity period of passed examination: 24 months
- Modelled on Part-FCL, points FCL.025 and FCL.215



Part-BFCL

Subpart BPL

BFCL.125

➤ **BPL – Crediting of theoretical knowledge**

- Holders of Part-FCL or Part-SFCL licences receive full credit for the common subjects:
 - air law
 - human performance
 - meteorology
 - communications
- Modelled on Appendix 1 to Part-FCL



Part-BFCL

Subpart BPL

BFCL.130

➤ **BPL – Practical skill test**

- Demonstration of ability to be pilot-in-command (PIC)
- Balloon class & group used for training to be used for the skill test (gas balloons or group A hot-air balloons)
- Theoretical knowledge examinations before skill test
- Pass standards
- Modelled on Part-FCL, points FCL.030 (a) and FCL.235



Part-BFCL

Subpart BPL

BFCL.135

➤ **BPL – Extension to another balloon class or group**

- Extension to another **hot-air** balloon group:
 - 2 instruction flights with an FI
 - Minimum flight experience
 - for group B: 100 hours
 - for group C: 200 hours
 - for group D: 300 hours
 - **Minimum experience requirement for gas balloons > 1260 m³ deleted.**



Part-BFCL

Subpart BPL

BFCL.135

- **BPL – Extension to another balloon class or group**
 - Extension to another class:
 - Training course an ATO/DTO
 - 5 dual instruction flights; or
 - (hot-air balloons → gas balloons) 5 hours of dual instruction
 - Skill test including theoretical knowledge demonstration
 - **Extension to hot-air balloons: initially only to group A**
 - Modelled on Part-FCL, points FCL.135.B and FCL.225.B(b)



Part-BFCL

Subpart BPL

BFCL.145

➤ **BPL – Recency requirements**

- Within 24 months: 6 PIC hours, 10 take-offs & landings
- Within **48 months**: 1 training flight with an FI(B)
- Alternative: Proficiency check with examiner or completing missing flight time with instructor / under supervision
- Hot-air balloons: Privileges maintained only for group used for the training flight or **prof check**, or smaller envelope size.
- Modelled on Part-FCL, point FCL.230.B
- **Applicable also to non-commercial carriage of passengers**



Part-BFCL

Subpart BPL

BFCL.145

➤ **BPL – Recency requirements**

- Credits for holders of a commercial operation rating (point BFCL.215)
 - BFCL.215 proficiency check → credit for BFCL.145 recency proficiency check
 - BFCL.215 training flight → credit for BFCL.145 training flight



Part-BFCL

Subpart GEN

Subpart BPL

Subpart ADD

Subpart FI

Subpart FE



Part-BFCL

Subpart ADD

BFCL.200

- **Tethered hot-air balloon flight rating**
 - Rating
 - Available only for hot-air balloons
 - Training
 - 2 training flights (Part-FCL: 3 training flights)
 - Recency:
 - 1 flight within last 48 months (Part-FCL: 2 flights within last 24 months)



Part-BFCL

Subpart ADD

BFCL.210

➤ **Night rating**

- VFR flights at night
- Requirements:
 - 2 instructions flights of at least 1 hour each
- Modelled on Part-FCL, point FCL.810 (c)



Part-BFCL

Subpart ADD

BFCL.215

➤ **Commercial operation rating**

- **Rating** for acting as pilot during commercial operation (including commercial passenger ballooning (CPB))
- Prerequisites and conditions (as in point FCL.205.B (b)):
 - Experience: 50 hours of flight time, 50 t/o & landings
 - **New prerequisite: relevant class privileges to be held**
 - **Skill test** (Part-FCL: proficiency check) on the specific class
 - Extension to other classes: **Skill test**



Part-BFCL

Subpart ADD

BFCL.215

➤ **Commercial operation rating**

- **Recency requirements (all commercial operation)**
 - Within 180 days
 - 3 flights, 1 of which in the relevant class; **or**
 - 1 flight in the relevant class under supervision (FI(B))
- **Additional recency requirements for CPB**
 - **Withing 24 months**
 - **Proficiency check; **or****
 - **Refresher course**

Operator proficiency check in accordance with Part-BOP is fully credited.



Part-BFCL

Subpart GEN

Subpart BPL

Subpart ADD

Subpart FI

Subpart FE



Part-BFCL

Subpart FI

BFCL.300

➤ **Instructor certificates**

- General requirements for providing instruction
 - Holder of BPL and instructor certificate
- Specific requirements for instruction provided outside the EU
- Modelled on Part-FCL, point FCL.900 (restructured)



Part-BFCL

Subpart FI

BFCL.305

➤ **FI(B) – Privileges and conditions**

- BPL
- Extension to further classes and groups
- Night rating: **No more demonstration to FI necessary**
- Tethered flight rating
- FI certificate, after having completed:
 - **50 hours as FI**
 - **flight instruction under supervision**
- Modelled on Part-FCL, point FCL.905.FI



Part-BFCL

Subpart FI

BFCL.310

➤ **FI(B) – Prerequisites and requirements**

- 18 years of age
- BPL plus relevant ratings, privileges certificates
- 75 hours flight experience
- Instructor training course + assessment of competence
- PIC privileges (recency)
- Modelled on Part-FCL, points FCL.900(a)(1) and (2), FCL.915(a), (b)(1) and (3), FCL.930, FCL.930.FI, FCL.935 and summarised into one point



Part-BFCL

Subpart FI

BFCL.315

- **FI(B) – competencies and assessment**
 - List of core competencies for instructors
 - Modelled on Part-FCL, point FCL.920



Part-BFCL

Subpart FI

BFCL.320

➤ **FI(B) – Training course**

- Pre-entry **course assessment** (Part-FCL: „flight test“)
 - **Content up to the ATO/DTO, assessment flight not compulsory, to take place within 12 months prior to the course start** (Part-FCL: flight test within 6 months)
- 25 hours of teaching and learning
- **12 hours** of theoretical knowledge instruction (Part-FCL: 30 hours)
- 3 hours of flight instruction, including 3 take-offs
- Modelled on Part-FCL, point FCL.930.FI



Part-BFCL

Subpart FI

BFCL.325

➤ **FI(B) – Assessment of competence**

- Demonstration of ability to instruct on balloons
 - Core instructor competencies (point BFCL.315)
 - Oral examinations
 - Flight exercises
- Modelled on Part-FCL, point FCL.935
- Deleted: AoC to be completed only in the balloon class used for the FI training



Part-BFCL

Subpart FI

- **Restricted FI privileges**

- **Not part of Part-BFCL**



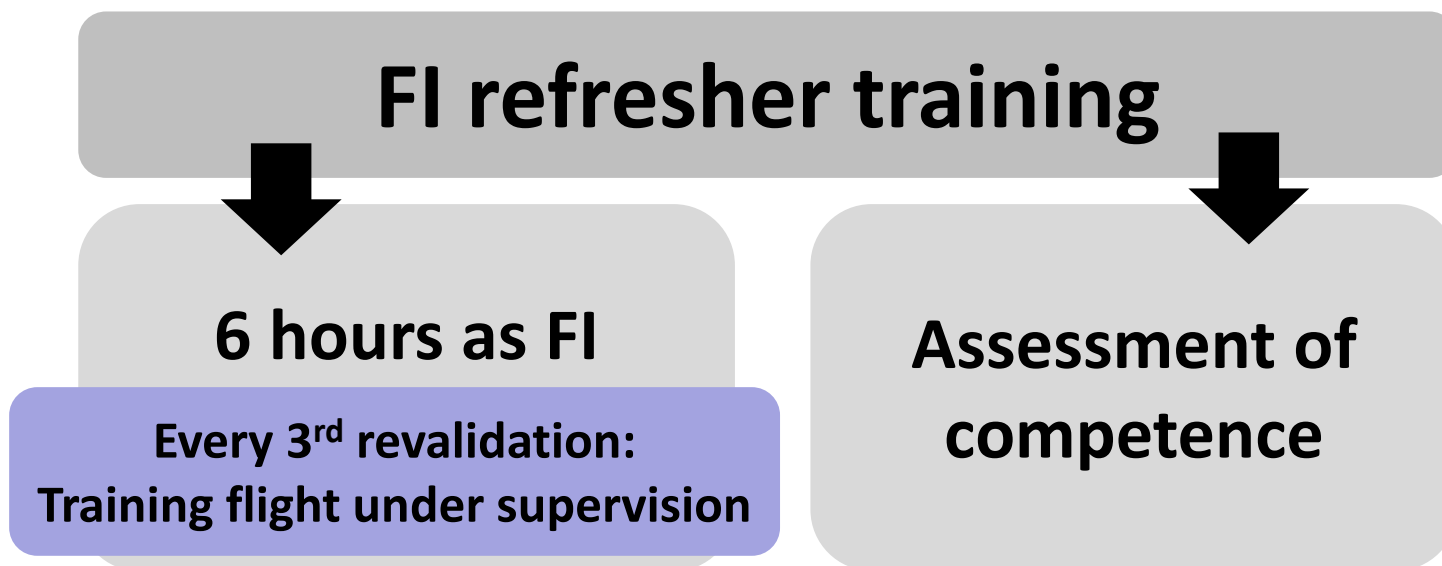
Part-BFCL

Subpart FI

BFCL.345

➤ **FI(B) – Validity, revalidation and renewal**

- Validity: 3 years
- Revalidation requirements (Part-FCL, point FCL.940.FI revised):





Part-BFCL

Subpart FI

BFCL.345

➤ **FI(B) – Validity, revalidation and renewal**

- Refresher training: **ATO, DTO, competent authority (RMT.0188)**
- **Combined FI/FE revalidation possible:**
 - **Full compliance with FE revalidation requirements, plus**
 - **FI refresher training**
- Renewal (no difference to Part-FCL, point FCL.940.FI):
 - FI refresher training, and
 - Assessment of competence



Part-BFCL

Subpart FI

BFCL.345

➤ **FI(B) – Validity, revalidation and renewal**

**Specific question / proposal:
Extend the validity period for FI
certificates to 5 years?**



Part-BFCL

Subpart GEN

Subpart BPL

Subpart ADD

Subpart FI

Subpart FE



Part-BFCL

Subpart FE

BFCL.400

➤ **Examiner certificates**

- General requirements for conducting skill tests, proficiency checks and assessments of competence
 - Holder of a BPL and examiner certificate
- Specific requirements for examinations outside the EU
- Modelled on Part-FCL, point FCL.1000 (restructured)



Part-BFCL

Subpart FE

BFCL.405

➤ **Limitation in the case of vested interests**

Specific question / proposal:

Change from 25% to 50% (permitted involvement of examiner in training)



Part-BFCL

Subpart FE

BFCL.410

➤ **Conduct of skill tests, prof checks & AoC**

- Obligations of examiners before and after the skill test / prof check / AoC
- Record-keeping: for 5 years after skill test / prof check / AoC
- Obligation to present records to the competent authority
- Modelled on Part-FCL, point FCL.1030
- **BFCL.410 (b)(1): Sentence 2 and 3 deleted from initial draft deleted (information in case of partial prof check fail, right of appeal).**



Part-BFCL

Subpart FE

BFCL.415

➤ **FE(B) – Privileges and conditions**

➤ BPL & class extensions

➤ Prerequisites:

➤ 250 hours as pilot on balloons

➤ 50 hours as FI – **the whole BPL syllabus needs to be covered**

➤ Commercial operation rating:

➤ **No experience requirements, examiner standardisation to cover such testing**



Part-BFCL

Subpart FE

BFCL.415

➤ **FE(B) – Privileges and conditions**

➤ **FI certificates (Part-FCL FE & FIE certificates merged)**

➤ **Prerequisites**

- **350 hours total flight time**
 - **5 hours instructing FIs (Part-FCL: 10 hours)**
 - **Examiner standardisation to cover FI testing**
 - **No additional assessment of competence**
-
- **Modelled on Part-FCL, points FCL.1005.FE (e) and FCL.1010.FIE (e)**



Part-BFCL

Subpart FE

BFCL.420

➤ **FE(B) – Prerequisites and requirements**

- BPL + relevant ratings, privileges, certificate
- FI(B) with relevant instructional privileges
- Standardisation course + assessment of competence
- PIC privileges (recency)
- Relevant background
- Text taken from points FCL.1000(a)(1) and (2), FCL.1010, FCL.1015, FCL.1020, FCL.1010.FE and summarised in one point



Part-BFCL

Subpart FE

BFCL.425

➤ **FE(B) – Standardisation**

- Course provided by competent authority, or by ATO/DTO and approved by competent authority
- Instruction on knowledge relevant for examiners
- Conduct of at least **1** test profile (Part-FCL: 2 test profiles)
- Modelled on Part-FCL, point FCL.1015



Part-BFCL

Subpart FE

BFCL.430

➤ **FE(B) – Assessment of competence**

- Demonstration of ability to conduct examinations on balloons
 - Briefing
 - Conduct of the test / check/ AoC
 - Debriefing
 - Recording documentation
- Modelled on Part-FCL, point FCL.1020
- Phrase „in the examiner role for which privileges are sought“ deleted in the latest draft



Part-BFCL

Subpart FE

BFCL.445

➤ **FE(B) – Validity, revalidation and renewal**

- Validity: 3 years
- Revalidation requirements (Part-FCL, point FCL.1025 revised):
 - 4 tests/checks/AoCs during the 3-year validity period, one of which within 12 months preceding the expiry date
 - Examiner refresher training
 - One test/check/AoC under supervision of senior examiner / inspector



Part-BFCL

Subpart FE

BFCL.445

➤ **FE(B) – Validity, revalidation and renewal**

- Renewal requirements (no difference to Part-FCL, point FCL.1025):
 - Examiner refresher training; and
 - Assessment of competence



Part-BFCL

Subpart FE

BFCL.445

➤ **FE(B) – Validity, revalidation and renewal**

**Specific question / proposal:
Extend the validity period for FE
certificates to 5 years?**



Part-BFCL

Subpart GEN

Subpart BPL

Subpart ADD

Subpart FI

Subpart FE



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Amendments to Annex IV (Part-MED) to Regulation (EU) No 1178/2011

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21 June 2018

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MED.A.030 Medical certificates

(c) When exercising the privileges of a:

- (1) **light aircraft pilot licence (LAPL)**, the pilot shall hold at least a **valid LAPL medical certificate**;
- (2) private pilot licence (PPL), a sailplane pilot licence (SPL) or a **balloon pilot licence (BPL)**, the pilot shall hold at least a valid **class 2 medical certificate**;
- (3) SPL or a **BPL involved in commercial** sailplane or **balloon flights**, the pilot shall hold at least a valid **class 2 medical certificate**;



MED.A.030 (Proposed amendments)

(c) When exercising the privileges of a:

- (1) light aircraft pilot licence (LAPL), a sailplane pilot licence (SPL) or a **balloon pilot licence (BPL)**, the pilot shall hold at least a valid **LAPL medical certificate**;
- (2) private pilot licence (PPL), the pilot shall hold at least a valid class 2 medical certificate;
- (3) SPL or a **BPL** involved in **commercial** sailplane or **balloon flights** or when **providing pilot training or examinations** for sailplanes or **balloon licence**, the pilot shall hold at least a valid **class 2 medical certificate**;



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RMT.0654 (Part-BFCL)

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Questions?

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