
Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

Commission Regulation (EU) No 1178/2011 of 3 November 2011 laying down technical requirements and administrative procedures related to civil aviation aircrew pursuant to Regulation (EC) No 216/2008 of the European Parliament and of the Council (Text with EEA relevance)

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ANNEX I

[PART-FCL]

SUBPART A *GENERAL REQUIREMENTS*

FCL.001 Competent authority

For the purpose of this Part, the competent authority shall be an authority designated by the Member State to whom a person applies for the issue of pilot licences or associated ratings or certificates.

FCL.005 Scope

This Part establishes the requirements for the issue of pilot licences and associated ratings and certificates and the conditions of their validity and use.

FCL.010 Definitions

[^{F1}For the purposes of this Annex (Part-FCL), the following definitions shall apply:]

Textual Amendments

- F1** Substituted by [Commission Implementing Regulation \(EU\) 2018/1974 of 14 December 2018 amending Regulation \(EU\) No 1178/2011 laying down technical requirements and administrative procedures related to civil aviation aircrew pursuant to Regulation \(EU\) 2018/1139 of the European Parliament and of the Council \(Text with EEA relevance\).](#)

[^{F2}‘Accessible’ means that a device can be used by:

- the approved training organisation (ATO) under whose approval a training course for a class or type rating is being conducted; or
- the examiner conducting the assessment of competence, skill test or proficiency check for the purpose of assessing, testing or checking.]

[^{F1}‘Aerobatic flight’ means an intentional manoeuvre involving an abrupt change in an aircraft's attitude, an abnormal attitude, or abnormal acceleration, not necessary for normal flight or for instruction for licences, certificates, or ratings other than the aerobatic rating.]

‘Aeroplane’ means an engine-driven fixed-wing aircraft heavier than air which is supported in flight by the dynamic reaction of the air against its wings.

‘Aeroplane required to be operated with a co-pilot’ means a type of aeroplane which is required to be operated with a co-pilot as specified in the flight manual or by the air operator certificate.

[^{F2}‘Aeroplane upset prevention and recovery training’ (UPRT) means training consisting of:

- aeroplane upset prevention training: a combination of theoretical knowledge and flying training with the aim of providing flight crew with the required competencies to prevent aeroplane upsets; and
- aeroplane upset recovery training: a combination of theoretical knowledge and flying training with the aim of providing flight crew with the required competencies to recover from aeroplane upsets.]

‘Aircraft’ means any machine which can derive support in the atmosphere from the reactions of the air other than the reactions of the air against the earth’s surface.

‘Airmanship’ means the consistent use of good judgement and well-developed knowledge, skills and attitudes to accomplish flight objectives.

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‘Airship’ means a power-driven lighter-than-air aircraft, with the exception of hot-air airships, which, for the purposes of this Part, are included in the definition of balloon.

[^{F2}‘Available FSTD’ means any flight simulation training device (FSTD) that is vacant for use of the FSTD operator or of the customer irrespective of any time considerations.]

[^{F3}‘Angular operation’ means an instrument approach operation in which the maximum tolerable error/deviation from the planned track is expressed in terms of deflection of the needles on the Course Deviation Indicator (CDI) or equivalent display in the cockpit.]

[^{F4}‘Assessment of competence’ means the demonstration of skills, knowledge and attitude for the initial issue, revalidation or renewal of an instructor or examiner certificate.]

‘Balloon’ means a lighter-than-air aircraft which is not engine-driven and sustains flight through the use of either gas or an airborne heater. For the purposes of this Part, a hot-air airship, although engine-driven, is also considered a balloon.

‘Category of aircraft’ means a categorisation of aircraft according to specified basic characteristics, for example aeroplane, powered-lift, helicopter, airship, sailplane, free balloon.

‘Class of aeroplane’ means a categorisation of single-pilot aeroplanes not requiring a type rating.

‘Class of balloon’ means a categorisation of balloons taking into account the lifting means used to sustain flight.

‘Commercial air transport’ means the transport of passengers, cargo or mail for remuneration or hire.

‘Competency’ means a combination of skills, knowledge and attitude required to perform a task to the prescribed standard.

‘Competency element’ means an action which constitutes a task that has a triggering event and a terminating event that clearly defines its limits, and an observable outcome.

‘Competency unit’ means a discrete function consisting of a number of competency elements.

‘Co-pilot’ means a pilot operating other than as pilot-in-command, on an aircraft for which more than one pilot is required, but excluding a pilot who is on board the aircraft for the sole purpose of receiving flight instruction for a licence or rating.

‘Cross-country’ means a flight between a point of departure and a point of arrival following a pre-planned route, using standard navigation procedures.

‘Cruise relief co-pilot’ means a pilot who relieves the co-pilot of his/her duties at the controls during the cruise phase of a flight in multi-pilot operations above FL 200.

‘Dual instruction time’ means flight time or instrument ground time during which a person is receiving flight instruction from a properly authorised instructor.

‘Error’ means an action or inaction taken by the flight crew which leads to deviations from organisational or flight intentions or expectations.

‘Error management’ means the process of detecting and responding to errors with countermeasures which reduce or eliminate the consequences of errors, and mitigate the probability of errors or undesired aircraft states.

‘Full Flight Simulator’ (FFS) means a full size replica of a specific type or make, model and series aircraft flight deck, including the assemblage of all equipment and computer programmes necessary to represent the aircraft in ground and flight

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operations, a visual system providing an out-of-the-flight deck view, and a force cueing motion system.

‘Flight time’:

for aeroplanes, touring motor gliders and powered-lift, it means the total time from the moment an aircraft first moves for the purpose of taking off until the moment it finally comes to rest at the end of the flight;

for helicopters, it means the total time from the moment a helicopter’s rotor blades start turning until the moment the helicopter finally comes to rest at the end of the flight, and the rotor blades are stopped;

for airships, it means the total time from the moment an airship is released from the mast for the purpose of taking off until the moment the airship finally comes to rest at the end of the flight, and is secured on the mast;

for sailplanes, it means the total time from the moment the sailplane commences the ground run in the process of taking off until the moment the sailplane finally comes to a rest at the end of flight;

for balloons, it means the total time from the moment the basket leaves the ground for the purpose of taking off until the moment it finally comes to a rest at the end of the flight.

‘Flight time under Instrument Flight Rules’ (IFR) means all flight time during which the aircraft is being operated under the Instrument Flight Rules.

‘Flight Training Device’ (FTD) means a full size replica of a specific aircraft type’s instruments, equipment, panels and controls in an open flight deck area or an enclosed aircraft flight deck, including the assemblage of equipment and computer software programmes necessary to represent the aircraft in ground and flight conditions to the extent of the systems installed in the device. It does not require a force cueing motion or visual system, except in the case of helicopter FTD levels 2 and 3, where visual systems are required.

‘Flight and Navigation Procedures Trainer’ (FNPT) means a training device which represents the flight deck or cockpit environment, including the assemblage of equipment and computer programmes necessary to represent an aircraft type or class in flight operations to the extent that the systems appear to function as in an aircraft.

[^{F4}‘Flown solely by reference to instruments’ means that the pilots fly the aircraft without any external visual references, in simulated or actual instrument meteorological conditions (IMC).]

‘Group of balloons’ means a categorisation of balloons, taking into account the size or capacity of the envelope.

‘Helicopter’ means a heavier-than-air aircraft supported in flight chiefly by the reactions of the air on one or more power-driven rotors on substantially vertical axes.

‘Instrument flight time’ means the time during which a pilot is controlling an aircraft in flight solely by reference to instruments.

‘Instrument ground time’ means the time during which a pilot is receiving instruction in simulated instrument flight, in flight simulation training devices (FSTD).

‘Instrument time’ means instrument flight time or instrument ground time.

[^{F3}‘Linear operation’ means an instrument approach operation in which the maximum tolerable error/deviation from the planned track is expressed in units of length, for instance nautical miles, for cross-track lateral deviation.

[^{F4}‘Line flying under supervision’ (LIFUS) means line flying after an approved zero flight time type rating training course or the line flying required by an operational suitability data (OSD) report.]

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‘LNAV’ means Lateral Navigation.

‘LPV’ means Localiser Performance with Vertical Guidance.]

‘Multi-pilot operation’:

for aeroplanes, it means an operation requiring at least 2 pilots using multi-crew cooperation in either multi-pilot or single-pilot aeroplanes;

for helicopters, it means an operation requiring at least 2 pilots using multi-crew cooperation on multi-pilot helicopters.

‘Multi-crew cooperation’ (MCC) means the functioning of the flight crew as a team of cooperating members led by the pilot-in-command.

‘Multi-pilot aircraft’:

for aeroplanes, it means aeroplanes certificated for operation with a minimum crew of at least two pilots;

for helicopters, airships and powered-lift aircraft, it means the type of aircraft which is required to be operated with a co-pilot as specified in the flight manual or by the air operator certificate or equivalent document.

[^{F6}‘Night’ means the period between the end of evening civil twilight and the beginning of morning civil twilight or such other period between sunset and sunrise as may be prescribed by the appropriate authority.]

[^{F4}‘OSD’ means the operational suitability data established in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012.]

[^{F6}‘Other training devices’ (OTD) means training aids other than FSTDs which provide means for training where a complete flight deck environment is not necessary.]

[^{F3}‘Performance-Based Navigation (PBN)’ means area navigation based on performance requirements for aircraft operating along an ATS route, on an instrument approach procedure or in a designated airspace.]

‘Performance criteria’ means a simple, evaluative statement on the required outcome of the competency element and a description of the criteria used to judge if the required level of performance has been achieved.

‘Pilot-in-command’ (PIC) means the pilot designated as being in command and charged with the safe conduct of the flight.

‘Pilot-in-command under supervision’ (PICUS) means a co-pilot performing, under the supervision of the pilot-in-command, the duties and functions of a pilot-in-command.

‘Powered-lift aircraft’ means any aircraft deriving vertical lift and in flight propulsion/lift from variable geometry rotors or engines/propulsive devices attached to or contained within the fuselage or wings.

‘Powered sailplane’ means an aircraft equipped with one or more engines having, with engines inoperative, the characteristics of a sailplane.

‘Private pilot’ means a pilot who holds a licence which prohibits the piloting of aircraft in operations for which remuneration is given, with the exclusion of instruction or examination activities, as established in this Part.

[^{F6}‘Proficiency check’ means the demonstration of skill to revalidate or renew ratings or privileges, and including such oral examination as may be required.]

‘Renewal’ (of, e.g. a rating or certificate) means the administrative action taken after a rating or certificate has lapsed for the purpose of renewing the privileges of the rating or certificate for a further specified period consequent upon the fulfilment of specified requirements.

‘Revalidation’ (of, e.g. a rating or certificate) means the administrative action taken within the period of validity of a rating or certificate which allows the holder to

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continue to exercise the privileges of a rating or certificate for a further specified period consequent upon the fulfilment of specified requirements.

[^{F3}‘RNP APCH’ means a PBN specification used for instrument approach operations. ‘RNP APCH operation down to LNAV minima’ means a 2D instrument approach operation for which the lateral guidance is based on GNSS positioning.

‘RNP APCH operation down to LNAV/VNAV minima’ means a 3D instrument approach operation for which the lateral guidance is based on GNSS positioning and the vertical guidance is provided either by the Baro VNAV function or by the GNSS positioning including SBAS.

‘RNP APCH operation down to LPV minima’ means a 3D instrument approach operation for which both lateral and vertical guidance are based on GNSS positioning including SBAS.

‘RNP AR APCH’ means a navigation specification used for instrument approach operations requiring a specific approval.]

‘Route sector’ means a flight comprising take-off, departure, cruise of not less than 15 minutes, arrival, approach and landing phases.

‘Sailplane’ means a heavier-than-air aircraft which is supported in flight by the dynamic reaction of the air against its fixed lifting surfaces, the free flight of which does not depend on an engine.

‘Single-pilot aircraft’ means an aircraft certificated for operation by one pilot.

‘Skill test’ means the demonstration of skill for a licence or rating issue, including such oral examination as may be required.

‘Solo flight time’ means flight time during which a student pilot is the sole occupant of an aircraft.

‘Student pilot-in-command’ (SPIC) means a student pilot acting as pilot-in-command on a flight with an instructor where the latter will only observe the student pilot and shall not influence or control the flight of the aircraft.

‘Threat’ means events or errors which occur beyond the influence of the flight crew, increase operational complexity and which must be managed to maintain the margin of safety.

‘Threat management’ means the process of detecting and responding to the threats with countermeasures which reduce or eliminate the consequences of threats, and mitigate the probability of errors or undesired aircraft states.

[^{F3}‘Three-dimensional (3D) instrument approach operation’ means an instrument approach operation using both lateral and vertical navigation guidance.]

‘Touring Motor Glider’ (TMG) means a specific class of powered sailplane having an integrally mounted, non-retractable engine and a non-retractable propeller. It shall be capable of taking off and climbing under its own power according to its flight manual.

[^{F3}‘Two-dimensional (2D) instrument approach operation’ means an instrument approach operation using lateral navigation guidance only.]

‘Type of aircraft’ means a categorisation of aircraft requiring a type rating as determined in the operational suitability data established in accordance with Part-21, and which include all aircraft of the same basic design including all modifications thereto except those which result in a change in handling or flight characteristics.

[^{F4}‘Type rating and licence endorsement list’ means a list published by the Agency based on the result of the OSD evaluation and containing classes of aeroplanes and types of aircraft for the purpose of flight crew licensing.]

[^{F3}‘VNAV’ means Vertical Navigation.]

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Textual Amendments

- F2** Inserted by [Commission Implementing Regulation \(EU\) 2018/1974 of 14 December 2018 amending Regulation \(EU\) No 1178/2011 laying down technical requirements and administrative procedures related to civil aviation aircrew pursuant to Regulation \(EU\) 2018/1139 of the European Parliament and of the Council \(Text with EEA relevance\)](#).
- F3** Inserted by [Commission Regulation \(EU\) 2016/539 of 6 April 2016 amending Regulation \(EU\) No 1178/2011 as regards pilot training, testing and periodic checking for performance-based navigation \(Text with EEA relevance\)](#).
- F4** Inserted by [Commission Implementing Regulation \(EU\) 2019/1747 of 15 October 2019 amending Regulation \(EU\) No 1178/2011 as regards requirements for certain flight crew licences and certificates, rules on training organisations and competent authorities \(Text with EEA relevance\)](#).
- F5** Deleted by [Commission Regulation \(EU\) 2018/1119 of 31 July 2018 amending Regulation \(EU\) No 1178/2011 as regards declared training organisations](#).
- F6** Substituted by [Commission Implementing Regulation \(EU\) 2019/1747 of 15 October 2019 amending Regulation \(EU\) No 1178/2011 as regards requirements for certain flight crew licences and certificates, rules on training organisations and competent authorities \(Text with EEA relevance\)](#).

[^{F7}FCL.020] **Application and issue, revalidation and renewal of licences, ratings and certificates**

- (a) An application for the issue, revalidation or renewal of pilot licences and associated ratings and certificates shall be submitted to the competent authority in a form and manner established by this authority. The application shall be accompanied by evidence that the applicant complies with the requirements for the issue, revalidation or renewal of the licence or certificate as well as associated ratings or endorsements, established in this Part and Part-Medical.
- (b) Any limitation or extension of the privileges granted by a licence, rating or certificate shall be endorsed in the licence or certificate by the competent authority.
- (c) A person shall not hold at any time more than one licence per category of aircraft issued in accordance with this Part.
- (d) An application for the issue of a licence for another category of aircraft, or for the issue of further ratings or certificates, as well as an amendment, revalidation or renewal of those licences, ratings or certificates shall be submitted to the competent authority which initially issued the pilot licence, except when the pilot has requested a change of competent authority and a transfer of his licensing and medical records to that authority.

Textual Amendments

- F7** Substituted by [Commission Regulation \(EU\) No 245/2014 of 13 March 2014 amending Commission Regulation \(EU\) No 1178/2011 of 3 November 2011 laying down technical requirements and administrative procedures related to civil aviation aircrew \(Text with EEA relevance\)](#).

[^{F7}FCL.020] **Student pilot**

- (a) A student pilot shall not fly solo unless authorised to do so and supervised by a flight instructor.
- (b) Before his/her first solo flight, a student pilot shall be at least:

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- (1) in the case of aeroplanes, helicopters and airships: 16 years of age;
- (2) in the case of sailplanes and balloons: 14 years of age.]

[^{F7}FCL.025] **Theoretical knowledge examinations for the issue of licences and ratings]**

(a) *Responsibilities of the applicant*

[^{F6}(1) Applicants shall take the entire set of theoretical knowledge examinations for a specific licence or rating under the responsibility of the same Member State's competent authority.]

[^{F8}(2) Applicants shall only take the theoretical knowledge examination when recommended by the declared training organisation (DTO) or the approved training organisation (ATO) responsible for their training, once they have completed the appropriate elements of the training course of theoretical knowledge instruction to a satisfactory standard.

Textual Amendments

F8 Substituted by [Commission Regulation \(EU\) 2018/1119 of 31 July 2018 amending Regulation \(EU\) No 1178/2011 as regards declared training organisations.](#)

(3) The recommendation by a DTO or an ATO shall be valid for 12 months. If the applicant has failed to attempt at least one theoretical knowledge examination paper within this period of validity, the need for further training shall be determined by the DTO or the ATO, based on the needs of the applicant.]

[^{F6}(b) *Pass standards*

(1) A pass in a theoretical knowledge examination paper will be awarded to an applicant achieving at least 75 % of the marks allocated to that paper. No penalty marking shall be applied.

(2) Unless otherwise determined in this Part, an applicant has successfully completed the required theoretical knowledge examination for the appropriate pilot licence or rating if he or she has passed all the required theoretical knowledge examination papers within a period of 18 months counted from the end of the calendar month when the applicant first attempted an examination.

(3) If an applicant for the ATPL theoretical knowledge examination, or for the issue of a commercial pilot licence (CPL), an instrument rating (IR) or an en route instrument rating (EIR) has failed to pass one of the theoretical knowledge examination papers within four attempts, or has failed to pass all papers within either six sittings or within the period mentioned in point (b)(2), he or she shall retake the complete set of theoretical knowledge examination papers.

(4) If applicants for the issue of a light aircraft pilot licence (LAPL), a private pilot licence (PPL), a sailplane pilot licence (SPL) or a balloon pilot licence (BPL) have failed to pass one of the theoretical knowledge examination papers within four attempts or have failed to pass all papers within the period mentioned in point (b)(2), they shall retake the complete set of theoretical knowledge examination papers.

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(5) Before retaking the theoretical knowledge examinations, applicants shall undertake further training at a DTO or an ATO. The extent and scope of the training needed shall be determined by the DTO or the ATO, based on the needs of the applicants.]

(c) *Validity period*

(1) The successful completion of the theoretical knowledge examinations will be valid:

(i) for the issue of a light aircraft pilot licence, a private pilot licence, a sailplane pilot licence or a balloon pilot licence, for a period of 24 months;

(ii) [F7 for the issue of a commercial pilot licence, instrument rating (IR) or en route instrument rating (EIR), for a period of 36 months;]

(iii) the periods in (i) and (ii) shall be counted from the day when the pilot successfully completes the theoretical knowledge examination, in accordance with (b)(2).

(2) The completion of the airline transport pilot licence (ATPL) theoretical knowledge examinations will remain valid for the issue of an ATPL for a period of 7 years from the last validity date of:

(i) an IR entered in the licence; or

(ii) in the case of helicopters, a helicopter's type rating entered in that licence.

FCL.030 Practical skill test

(a) Before a skill test for the issue of a licence, rating or certificate is taken, the applicant shall have passed the required theoretical knowledge examination, except in the case of applicants undergoing a course of integrated flying training.

In any case, the theoretical knowledge instruction shall always have been completed before the skill tests are taken.

(b) Except for the issue of an airline transport pilot licence, the applicant for a skill test shall be recommended for the test by the organisation/person responsible for the training, once the training is completed. The training records shall be made available to the examiner.

FCL.035 Crediting of flight time and theoretical knowledge

(a) *Crediting of flight time*

[F7(1) Unless otherwise specified in this Part, flight time to be credited for a licence, rating or certificate shall have been flown in the same category of aircraft for which the licence, rating or certificate is sought.

(2) PIC or under instruction.]

(i) An applicant for a licence, rating or certificate shall be credited in full with all solo, dual instruction or PIC flight time towards the total flight time required for the licence, rating or certificate.

(ii) A graduate of an ATP integrated training course is entitled to be credited with up to 50 hours of student pilot-in-command instrument time towards the PIC time required for the issue of the airline transport pilot licence, commercial pilot licence and a multi-engine type or class rating.

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- (iii) A graduate of a CPL/IR integrated training course is entitled to be credited with up to 50 hours of the student pilot-in-command instrument time towards the PIC time required for the issue of the commercial pilot licence and a multi-engine type or class rating.
- [^{F7}(3) Flight time as co-pilot or PICUS. Unless otherwise determined in this Part, the holder of a pilot licence, when acting as co-pilot or PICUS, is entitled to be credited with all of the co-pilot time towards the total flight time required for a higher grade of pilot licence.]
- (b) *Crediting of theoretical knowledge*
- [^{F7}(1) An applicant having passed the theoretical knowledge examination for an airline transport pilot licence shall be credited with the theoretical knowledge requirements for the light aircraft pilot licence, the private pilot licence, the commercial pilot licence and, except in the case of helicopters, the IR and the EIR in the same category of aircraft.]
- (2) An applicant having passed the theoretical knowledge examination for a commercial pilot licence shall be credited with the theoretical knowledge requirement for a light aircraft pilot licence or a private pilot licence in the same category of aircraft.
- (3) The holder of an IR or an applicant having passed the instrument theoretical knowledge examination for a category of aircraft shall be fully credited towards the requirements for the theoretical knowledge instruction and examination for an IR in another category of aircraft.
- (4) The holder of a pilot licence shall be credited towards the requirements for theoretical knowledge instruction and examination for a licence in another category of aircraft in accordance with Appendix 1 to this Part.
- [^{F9}(5) Notwithstanding point (b)(3), the holder of an IR(A) who has completed a competency-based modular IR(A) course or the holder of an EIR shall only be credited in full towards the requirements for theoretical knowledge instruction and examination for an IR in another category of aircraft when also having passed the theoretical knowledge instruction and examination for the IFR part of the course required in accordance with FCL.720.A.(b)(2)(i).]

Textual Amendments

- F9** Inserted by [Commission Regulation \(EU\) No 245/2014 of 13 March 2014 amending Commission Regulation \(EU\) No 1178/2011 of 3 November 2011 laying down technical requirements and administrative procedures related to civil aviation aircrew \(Text with EEA relevance\)](#).

This credit also applies to applicants for a pilot licence who have already successfully completed the theoretical knowledge examinations for the issue of that licence in another category of aircraft, as long as it is within the validity period specified in FCL.025(c).

[^{F6}FCL.040] **Exercise of the privileges of licences**

The exercise of the privileges granted by a licence shall be dependent upon the validity of the ratings contained therein, if applicable, and of the medical certificate as appropriate to the privileges exercised.]

FCL.045 **Obligation to carry and present documents**

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (a) A valid licence and a valid medical certificate shall always be carried by the pilot when exercising the privileges of the licence.
- (b) The pilot shall also carry a personal identification document containing his/her photo.
- (c) A pilot or a student pilot shall without undue delay present his/her flight time record for inspection upon request by an authorised representative of a competent authority.
- (d) A student pilot shall carry on all solo cross-country flights evidence of the authorisation required by FCL.020(a).
- [^{F10}(e) A pilot intending to fly outside Union territory on an aircraft registered in a Member State other than the one that issued the flight crew licence shall carry, in print or in electronic format, the latest issue of the ICAO attachment, which includes a reference to the ICAO registration number of the agreement that recognises the automatic validation of licences, as well as the list of States which are party to this agreement.]

Textual Amendments

F10 Inserted by [Commission Regulation \(EU\) 2018/1065 of 27 July 2018 amending Regulation \(EU\) No 1178/2011 as regards the automatic validation of Union flight crew licences and take-off and landing training.](#)

FCL.050 Recording of flight time

The pilot shall keep a reliable record of the details of all flights flown in a form and manner established by the competent authority.

[^{F6}**FCL.055** Language proficiency

- (a) General. Aeroplane, helicopter, powered-lift and airship pilots required to use the radio telephone shall not exercise the privileges of their licences and ratings unless they have a language proficiency endorsement on their licence in either English or the language used for radio communications involved in the flight. The endorsement shall indicate the language, the proficiency level and the validity date, and it shall be obtained in accordance with a procedure established by a competent authority. The minimum acceptable proficiency level is the operational level (Level 4) in accordance with Appendix 2 to this Annex.
- (b) The applicant for a language proficiency endorsement shall demonstrate, in accordance with Appendix 2 to this Annex, at least an operational level of language proficiency both in the use of phraseologies and plain language to an assessor certified by a competent authority or a language-testing body approved by a competent authority as applicable. To do so, the applicant shall demonstrate the ability to:
 - (1) communicate effectively in voice-only and in face-to-face situations;
 - (2) communicate on common and work-related topics with accuracy and clarity;
 - (3) use appropriate communicative strategies to exchange messages and to recognise and resolve misunderstandings in a general or work-related context;

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- (4) handle successfully the linguistic challenges presented by a complication or unexpected turn of events which occurs within the context of a routine work situation or communicative task with which they are otherwise familiar; and
- (5) use a dialect or accent which is intelligible to the aeronautical community.
- (c) Except for pilots who have demonstrated language proficiency at the expert level (level 6) in accordance with Appendix 2 to this Annex, the language proficiency endorsement shall be re-evaluated every:
 - (1) 4 years, if the level demonstrated is operational level (level 4); or
 - (2) 6 years, if the level demonstrated is extended level (level 5).
- (d) Specific requirements for holders of an instrument rating (IR) or en-route instrument rating (EIR). Without prejudice to the points above, holders of an IR or an EIR shall have demonstrated the ability to use English at the appropriate proficiency level as defined in Appendix 2 to this Annex.
- (e) The demonstration of language proficiency and the ability to use English for IR or EIR holders shall be done through a method of assessment established by any competent authority.]

FCL.060 Recent experience

- (a) Balloons. A pilot shall not operate a balloon in commercial air transport or carrying passengers unless he/she has completed in the preceding 180 days:
 - (1) at least 3 flights as a pilot flying in a balloon, of which at least 1 shall be in a balloon of the relevant class and group; or
 - (2) 1 flight in the relevant class and group of balloon under the supervision of an instructor qualified in accordance with Subpart J.
- (b) Aeroplanes, helicopters, powered-lift, airships and sailplanes. A pilot shall not operate an aircraft in commercial air transport or carrying passengers:
 - (1) as PIC or co-pilot unless he/she has carried out, in the preceding 90 days, at least 3 take-offs, approaches and landings in an aircraft of the same type or class or an FFS representing that type or class. The 3 take-offs and landings shall be performed in either multi-pilot or single-pilot operations, depending on the privileges held by the pilot; and
 - (2) as PIC at night unless he/she:
 - (i) has carried out in the preceding 90 days at least 1 take-off, approach and landing at night as a pilot flying in an aircraft of the same type or class or an FFS representing that type or class; or
 - (ii) holds an IR;
- (3) ^[F7] as cruise relief co-pilot unless he/she:
 - (i) has complied with the requirements in (b)(1); or
 - (ii) has carried out in the preceding 90 days at least 3 sectors as a cruise relief pilot on the same type or class of aircraft; or

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- (iii) has carried out recency and refresher flying skill training in an FFS at intervals not exceeding 90 days. This refresher training may be combined with the operator's refresher training prescribed in the relevant requirements of Part-ORO.]
- (4) When a pilot has the privilege to operate more than one type of aeroplane with similar handling and operation characteristics, the 3 take-offs, approaches and landings required in (1) may be performed as defined in the operational suitability data established in accordance with Part-21.
- (5) When a pilot has the privilege to operate more than one type of non-complex helicopter with similar handling and operation characteristics, as defined in the operational suitability data established in accordance with Part-21, the 3 take-offs, approaches and landings required in (1) may be performed in just one of the types, provided that the pilot has completed at least 2 hours of flight in each of the types of helicopter, during the preceding 6 months.
- (c) Specific requirements for commercial air transport:
 - (1) In the case of commercial air transport, the 90-day period prescribed in subparagraphs (b)(1) and (2) above may be extended up to a maximum of 120 days, as long as the pilot undertakes line flying under the supervision of a type rating instructor or examiner.
 - (2) [F⁶If the pilot does not comply with the requirement in point (1), he or she shall complete a training flight with an instructor qualified in accordance with Subpart J to instruct for that aircraft type. The training flight shall be performed in the aircraft or an FFS of the aircraft type to be used, and shall include at least the requirements described in points (b)(1) and (2) before he or she can exercise his/her privileges.]

[F¹¹FCL.069] **Curtailment of privileges of licence holders aged 60 years or more in commercial air transport**

- (a) Age 60-64. Aeroplanes and helicopters. The holder of a pilot licence who has attained the age of 60 years shall not act as a pilot of an aircraft engaged in commercial air transport except as a member of a multi-pilot crew.
- (b) Age 65. Except in the case of a holder of a balloon or sailplane pilot licence, the holder of a pilot licence who has attained the age of 65 years shall not act as a pilot of an aircraft engaged in commercial air transport.
- (c) Age 70. The holder of a balloon or sailplane pilot licence who has attained the age of 70 years shall not act as a pilot of a balloon or a sailplane engaged in commercial air transport.]

Textual Amendments

- F11** Substituted by [Commission Regulation \(EU\) 2015/445 of 17 March 2015 amending Regulation \(EU\) No 1178/2011 as regards technical requirements and administrative procedures related to civil aviation aircrew \(Text with EEA relevance\)](#).

FCL.070 Revocation, suspension and limitation of licences, ratings and certificates

- (a) Licences, ratings and certificates issued in accordance with this Part may be limited, suspended or revoked by the competent authority when the pilot does not comply with

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the requirements of this Part, Part-Medical or the applicable operational requirements, in accordance with the conditions and procedures laid down in Part-ARA.

- (b) When the pilot has his/her licence suspended or revoked, he/she shall immediately return the licence or certificate to the competent authority.

SUBPARLIGHT AIRCRAFT PILOT LICENCE — LAPL

B

SECTION 1

Common requirements

FCL.100LAPL — Minimum age

Applicants for the LAPL shall be:

- (a) in the case of aeroplanes and helicopters, at least 17 years of age;
- (b) in the case of sailplanes and balloons, at least 16 years of age.

FCL.105LAPL — Privileges and conditions

- (a) General. The privileges of the holder of an LAPL are to act without remuneration as PIC in non-commercial operations on the appropriate aircraft category.
- (b) Conditions. Applicants for the LAPL shall have fulfilled the requirements for the relevant aircraft category and, when applicable, for the class or type of aircraft used in the skill test.

FCL.110LAPL — Crediting for the same aircraft category

- (a) Applicants for an LAPL who have held another licence in the same category of aircraft shall be fully credited towards the requirements of the LAPL in that category of aircraft.
- (b) Without prejudice to the paragraph above, if the licence has lapsed, the applicant shall have to pass a skill test in accordance with FCL.125 for the issue of an LAPL in the appropriate aircraft category.

[^{F8}FCL.115]LAPL — Training course

- (a) Applicants for an LAPL shall complete a training course at a DTO or an ATO.
- (b) The course shall include theoretical knowledge and flight instruction appropriate to the privileges of the LAPL applied for.
- (c) Theoretical knowledge instruction and flight instruction may be completed at a DTO or at an ATO different from the one where applicants have commenced their training.
- (d) [^{F4}For the training for the single-engine piston aeroplanes-sea class privilege, the elements of Appendix 9 to this Annex, point 7 (Class ratings – sea) of Section B (Specific requirements for the aeroplane category) shall be considered.]]

[^{F6}FCL.110]LAPL — Theoretical knowledge examination

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (a) Applicants for an LAPL(A) and an LAPL(H) shall demonstrate a level of theoretical knowledge appropriate to the privileges granted, through examinations on the following subjects:
- (1) common subjects:
- Air law and air traffic control (ATC) procedures;
 - Human performance;
 - Meteorology;
 - Communications;
 - Navigation.
- (2) specific subjects concerning the different aircraft categories:
- Principles of flight;
 - Operational procedures,;
 - Flight performance and planning;
 - Aircraft general knowledge.
- (b) Applicants for an LAPL(B) and an LAPL(S) shall demonstrate a level of theoretical knowledge appropriate to the privileges granted, through examinations on the following:
- (1) common subjects:
- Air law and air traffic control (ATC) procedures,
 - Human performance,
 - Meteorology, and
 - Communications.
- (2) specific subjects concerning the different aircraft categories:
- Principles of flight,
 - Operational procedures;
 - Flight performance and planning,
 - Aircraft general knowledge, and
 - Navigation.]

FCL.125LAPL — Skill test

- (a) Applicants for an LAPL shall demonstrate through the completion of a skill test the ability to perform, as PIC on the appropriate aircraft category, the relevant procedures and manoeuvres with competency appropriate to the privileges granted.
- (b) Applicants for the skill test shall have received flight instruction on the same class or type of aircraft to be used for the skill test. The privileges will be restricted to the class or type used for the skill test until further extensions are endorsed on the licence, in accordance with this Subpart.
- (c) *Pass marks*
- (1) The skill test shall be divided into different sections, representing all the different phases of flight appropriate to the category of aircraft flown.
- (2) Failure in any item of a section will cause the applicant to fail the entire section. If the applicant fails only 1 section, he/she shall repeat only that section. Failure in more than 1 section will cause the applicant to fail the entire test.

Status: Point in time view as at 31/01/2020.

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- (3) When the test needs to be repeated in accordance with (2), failure in any section, including those that have been passed on a previous attempt, will cause the applicant to fail the entire test.
- (4) Failure to achieve a pass in all sections of the test in 2 attempts will require further practical training.

SECTION 2

Specific requirements for the LAPL for aeroplanes — LAPL(A)

[^{F6}FCL.105.A] LAPL(A) — Privileges and conditions

(a) Privileges

The privileges of the holder of an LAPL for aeroplanes are to act as PIC on single-engine piston aeroplanes-land (SEP(land)), single-engine piston aeroplanes-sea (SEP(sea)) or TMG with a maximum certificated take-off mass of 2000 kg or less, carrying a maximum of 3 passengers, such that there are always a maximum of 4 persons on board of the aircraft.

(b) Conditions

- (1) Holders of a LAPL(A) shall carry passengers only if they have completed 10 hours of flight time as PIC on aeroplanes or TMG after the issuance of the licence.
- (2) Holders of a LAPL(A) who previously held an ATPL(A), an MPL(A), a CPL(A) or a PPL(A), are exempted from the requirements laid down in point (b)(1).]

FCL.110.A] LAPL(A) — Experience requirements and crediting

(a) Applicants for an LAPL(A) shall have completed at least 30 hours of flight instruction on aeroplanes or TMGs, including at least:

- (1) 15 hours of dual flight instruction in the class in which the skill test will be taken;
- (2) 6 hours of supervised solo flight time, including at least 3 hours of solo cross-country flight time with at least 1 cross-country flight of at least 150 km (80 NM), during which 1 full stop landing at an aerodrome different from the aerodrome of departure shall be made.

[^{F8}(b) Specific requirements for applicants holding an LAPL(S) or an SPL with TMG extension. Applicants for an LAPL(A) holding an LAPL(S) or an SPL with TMG extension shall have completed at least 21 hours of flight time on TMGs after the endorsement of the TMG extension and complied with the requirements of point FCL.135.A(a) on aeroplanes.

(c) Crediting. Applicants with prior experience as PIC may be credited towards the requirements of point (a).

The amount of credit shall be decided by the DTO or the ATO where the pilot undergoes the training course, on the basis of a pre-entry flight test, but shall in any case:

- (1) not exceed the total flight time as PIC;
- (2) not exceed 50 % of the hours required in point (a);
- (3) not include the requirements of point (a)(2).]

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FCL.135~~A~~LAPL(A) — Extension of privileges to another class or variant of aeroplane

- (a) The privileges of an LAPL(A) shall be limited to the class and variant of aeroplanes or TMG in which the skill test was taken. This limitation may be removed when the pilot has completed in another class the requirements below:
- (1) 3 hours of flight instruction, including:
- (i) 10 dual take-offs and landings; and
 - (ii) 10 supervised solo take-offs and landings.
- (2) a skill test to demonstrate an adequate level of practical skill in the new class. During this skill test, the applicant shall also demonstrate to the examiner an adequate level of theoretical knowledge for the other class in the following subjects:
- (i) Operational procedures;
 - (ii) Flight performance and planning;
 - (iii) Aircraft general knowledge.
- [^{F6}(b) In order to extend the privileges to another variant within a class, the pilot shall either undertake differences training or do a familiarisation. The differences training shall be entered in the pilot's logbook or into an equivalent record and be signed by the instructor.]

[^{F6}FCL.140~~A~~LAPL(A) — Recency requirements

- (a) Holders of a LAPL(A) shall exercise the privileges of their licence only if in the last 2 years they have met any of the following conditions as pilots of aeroplanes or TMGs:
- (1) they have completed at least 12 hours of flight time as PIC or flying dual or solo under the supervision of an instructor, including:
- 12 take-offs and landings;
 - refresher training of at least 1 hour of total flight time with an instructor;
- (2) they have passed a LAPL(A) proficiency check with an examiner. The proficiency check programme shall be based on the skill test for the LAPL(A);
- (b) If holders of a LAPL(A) hold both a SEP(land) and a SEP(sea) privilege, they may comply with the requirements in point (a)(1) in either class or a combination thereof which shall be valid for both privileges. For this purpose, at least 1 hour of the required flight time and 6 out of the required 12 take-offs and landings shall be completed in each class.]

SECTION 3

Specific requirements for the LAPL for helicopters — LAPL(H)

FCL.105~~A~~LAPL(H) — Privileges

The privileges of the holder of an LAPL for helicopters are to act as PIC on single-engine helicopters with a maximum certificated take-off mass of 2 000 kg or less, carrying a maximum of 3 passengers, such that there are never more than 4 persons on board.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

FCL.110.HAPL(H) — Experience requirements and crediting

- (a) Applicants for the LAPL(H) shall have completed 40 hours of flight instruction on helicopters. At least 35 hours of which shall be flown on the type of helicopter that is to be used for the skill test. The flight instruction shall include at least:
- (1) 20 hours of dual flight instruction; and
 - (2) 10 hours of supervised solo flight time, including at least 5 hours of solo cross-country flight time with at least 1 cross-country flight of at least 150 km (80 NM), during which one full stop landing at an aerodrome different from the aerodrome of departure shall be made.
- [^{F8}(b) Crediting. Applicants with prior experience as PIC may be credited towards the requirements of point (a).

The amount of credit shall be decided by the DTO or the ATO where the pilot undergoes the training course, on the basis of a pre-entry flight test, but shall in any case:

- (1) not exceed the total flight time as PIC;
- (2) not exceed 50 % of the hours required in point (a);
- (3) not include the requirements of point (a)(2).]

FCL.135.HAPL(H) — Extension of privileges to another type or variant of helicopter

- (a) The privileges of an LAPL(H) shall be limited to the specific type and variant of helicopter in which the skill test was taken. This limitation may be removed when the pilot has completed:
- (1) 5 hours of flight instruction, including:
 - (i) 15 dual take-offs, approaches and landings;
 - (ii) 15 supervised solo take-offs, approaches and landings;
 - (2) a skill test to demonstrate an adequate level of practical skill in the new type. During this skill test, the applicant shall also demonstrate to the examiner an adequate level of theoretical knowledge for the other type in the following subjects:
 - Operational procedures,
 - Flight performance and planning,
 - Aircraft general knowledge.
- (b) Before the holder of an LAPL(H) can exercise the privileges of the licence in another variant of helicopter than the one used for the skill test, the pilot shall undertake differences or familiarisation training, as determined in the operational suitability data established in accordance with Part-21. The differences training shall be entered in the pilot's logbook or equivalent record and signed by the instructor.

[^{F6}FCL.140.HAPL(H) — Recency requirements

Holders of an LAPL(H) shall exercise the privileges of their licence on a specific type only if in the last 12 months they have either:

- (a) completed at least six hours of flight time on helicopters of that type as PIC, or flying dual or solo under the supervision of an instructor, including six take-offs, approaches

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and landings and completed a refresher training of at least 1 hour of total flight time with an instructor;

- (b) passed a proficiency check with an examiner on the specific type before resuming the exercise of the privileges of their licence. That proficiency check programme shall be based on the skill test for the LAPL(H).]

SECTION 4

Specific requirements for the LAPL for sailplanes — LAPL(S)

FCL.105.SAPL(S) — Privileges and conditions

- (a) The privileges of the holder of an LAPL for sailplanes are to act as PIC on sailplanes and powered sailplanes. In order to exercise the privileges on a TMG, the holder shall comply with the requirements in FCL.135.S.
- [^{F7}(b) Holders of an LAPL(S) shall only carry passengers once they have completed 10 hours of flight time or 30 launches as PIC on sailplanes or powered sailplanes after the issuance of the licence.]

FCL.110.SAPL(S) — Experience requirements and crediting

- (a) Applicants for an LAPL(S) shall have completed at least 15 hours of flight instruction in sailplanes, or powered sailplanes, including at least:
- (1) 10 hours of dual flight instruction;
 - (2) 2 hours of supervised solo flight time;
 - (3) 45 launches and landings;
 - (4) 1 solo cross-country flight of at least 50 km (27 NM) or 1 dual cross-country flight of at least 100 km (55 NM).
- (b) Of the 15 hours required in (a), a maximum of 7 hours may be completed in a TMG.
- [^{F8}(c) Crediting. Applicants with prior experience as PIC may be credited towards the requirements of point (a).

The amount of credit shall be decided by the DTO or the ATO where the pilot undergoes the training course, on the basis of a pre-entry flight test, but shall in any case:

- (1) not exceed the total flight time as PIC;
- (2) not exceed 50 % of the hours required in point (a);
- (3) not include the requirements of points (2), (3) and (4) of point (a).]

FCL.130.SAPL(S) — Launch methods

- (a) The privileges of the LAPL(S) shall be limited to the launch method included in the skill test. This limitation may be removed when the pilot has completed:
- (1) in the case of winch launch and car launch, a minimum of 10 launches in dual flight instruction, and 5 solo launches under supervision;

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- (2) in the case of aero tow or self launch, a minimum of 5 launches in dual flight instruction, and 5 solo launches under supervision. In the case of self launch, dual flight instruction may be done in a TMG;
- (3) in the case of bungee launch, a minimum of 3 launches performed in dual flight instruction or solo under supervision.
- (b) The completion of the additional training launches shall be entered in the logbook and signed by the instructor.
- (c) In order to maintain their privileges in each launch method, pilots shall complete a minimum of 5 launches during the last 24 months, except for bungee launch, in which case pilots shall have completed only 2 launches.
- (d) When the pilot does not comply with the requirement in (c), he/she shall perform the additional number of launches flying dual or solo under the supervision of an instructor in order to renew the privileges.

FCL.135~~S~~**A****LPL(S)** — Extension of privileges to TMG

[^{F8}The privileges of an LAPL(S) shall be extended to a TMG when the pilot has completed, at a DTO or at an ATO, at least:]

- (a) 6 hours of flight instruction on a TMG, including:
 - (1) 4 hours of dual flight instruction;
 - (2) 1 solo cross-country flight of at least 150 km (80 NM), during which 1 full stop landing at an aerodrome different from the aerodrome of departure shall be performed;
- (b) a skill test to demonstrate an adequate level of practical skill in a TMG. During this skill test, the applicant shall also demonstrate to the examiner an adequate level of theoretical knowledge for the TMG in the following subjects:
 - Principles of flight,
 - Operational procedures,
 - Flight performance and planning,
 - Aircraft general knowledge,
 - Navigation.

FCL.140~~S~~**A****LPL(S)** — Recency requirements

- (a) Sailplanes and powered sailplanes. Holders of an LAPL(S) shall only exercise the privileges of their licence on sailplanes or powered sailplanes when they have completed on sailplanes or powered sailplanes, excluding TMGs, in the last 24 months, at least:
 - (1) 5 hours of flight time as PIC, including 15 launches;
 - (2) 2 training flights with an instructor.
- (b) TMG. Holders of an LAPL(S) shall only exercise the privileges of their licence on a TMG when they have:
 - (1) completed on TMGs in the last 24 months:
 - (i) at least 12 hours of flight time as PIC, including 12 take-offs and landings; and

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- (ii) refresher training of at least 1 hour total flight time with an instructor.
- (2) When the holder of the LAPL(S) also has the privileges to fly aeroplanes, the requirements in (1) may be completed on aeroplanes.
- (c) Holders of an LAPL(S) who do not comply with the requirements in (a) or (b) shall, before they resume the exercise of their privileges:
 - (1) pass a proficiency check with an examiner on a sailplane or a TMG, as appropriate; or
 - (2) perform the additional flight time or take-offs and landings, flying dual or solo under the supervision of an instructor, in order to fulfil the requirements in (a) or (b).

SECTION 5

Specific requirements for the LAPL for balloons — LAPL(B)

[^{F11}FCL.105.A] LAPL(B) — Privileges

The privileges of the holder of an LAPL for balloons are to act as PIC on hot-air balloons or hot-air airships with a maximum of 3 400 m³ envelope capacity or gas balloons with a maximum of 1 260 m³ envelope capacity, carrying a maximum of 3 passengers, such that there are never more than 4 persons on board of the balloon.]

[^{F7}FCL.110.A] LAPL(B) — Experience requirements and crediting]

- (a) Applicants for an LAPL(B) shall have completed on balloons of the same class at least 16 hours of flight instruction, including at least:
 - (1) 12 hours of dual flight instruction;
 - (2) 10 inflations and 20 take-offs and landings; and
 - (3) 1 supervised solo flight with a minimum flight time of at least 30 minutes.
- [^{F8}(b) Crediting. Applicants with prior experience as PIC on balloons may be credited towards the requirements of point (a).

The amount of credit shall be decided by the DTO or the ATO where the pilot undergoes the training course, on the basis of a pre-entry flight test, but shall in any case:

- (1) not exceed the total flight time as PIC on balloons;
- (2) not exceed 50 % of the hours required in point (a);
- (3) not include the requirements of points (2) and (3) of point (a).]

FCL.130.B] LAPL(B) — Extension of privileges to tethered flights

- (a) The privileges of the LAPL(B) shall be limited to non-tethered flights. This limitation may be removed when the pilot has completed at least 3 tethered instruction flights.
- (b) The completion of the additional training shall be entered in the logbook and signed by the instructor.
- (c) In order to maintain this privilege, pilots shall complete a minimum of 2 tethered flights during the last 24 months.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (d) When the pilot does not comply with the requirement in (c), he/she shall perform the additional number of tethered flights flying dual or solo under the supervision of an instructor in order to renew the privileges.

FCL.135BAPL(B) — Extension of privileges to another balloon class

[^{F8}The privileges of the LAPL(B) shall be limited to the class of balloons in which the skill test was taken. This limitation may be removed when the pilot has completed in the other class, at a DTO or at an ATO, at least:]

- (a) 5 dual instruction flights; or
- (b) in the case of an LAPL(B) for hot-air balloons wishing to extend their privileges to hot-air airships, 5 hours of dual flight instruction time; and
- (c) a skill test, during which they shall demonstrate to the examiner an adequate level of theoretical knowledge for the other class in the following subjects:
- Principles of flight,
 - Operational procedures,
 - Flight performance and planning, and
 - Aircraft general knowledge.

FCL.140BAPL(B) — Recency requirements

- (a) Holders of an LAPL(B) shall only exercise the privileges of their licence when they have completed, in one class of balloons in the last 24 months, at least:
- (1) 6 hours of flight time as PIC, including 10 take-offs and landings; and
 - (2) 1 training flight with an instructor;
 - (3) in addition, if the pilot is qualified to fly more than one class of balloons, in order to exercise their privileges in the other class, they shall have completed at least 3 hours of flight time in that class within the last 24 months, including 3 take-offs and landings.
- (b) Holders of an LAPL(B) who do not comply with the requirements in (a) shall, before they resume the exercise of their privileges:
- (1) pass a proficiency check with an examiner in the appropriate class; or
 - (2) perform the additional flight time or take-offs and landings, flying dual or solo under the supervision of an instructor, in order to fulfil the requirements in (a).

SUBPART C PRIVATE PILOT LICENCE (PPL), SAILPLANE PILOT LICENCE (SPL) AND BALLOON PILOT LICENCE (BPL)

SECTION 1

Common requirements

FCL.200 Minimum age

- (a) An applicant for a PPL shall be at least 17 years of age;
- (b) An applicant for a BPL or an SPL shall be at least 16 years of age.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

FCL.205 Conditions

Applicants for the issue of a PPL shall have fulfilled the requirements for the class or type rating for the aircraft used in the skill test, as established in Subpart H.

[^{F8}FCL.210] Training course

- (a) Applicants for a BPL, SPL or PPL shall complete a training course at a DTO or at an ATO.
- (b) The course shall include theoretical knowledge and flight instruction appropriate to the privileges of the BPL, SPL or PPL applied for.
- (c) Theoretical knowledge instruction and flight instruction may be completed at a DTO or at an ATO different from the one where applicants have commenced their training.]

[^{F6}FCL.215] Theoretical knowledge examination

- (a) Applicants for a PPL shall demonstrate a level of theoretical knowledge appropriate to the privileges granted, through examinations in the following subjects:
 - (1) common subjects:
 - Air law,
 - Human performance,
 - Meteorology, and
 - Communications; and
 - Navigation.
 - (2) specific subjects concerning the different aircraft categories:
 - Principles of flight,
 - Operational procedures,
 - Flight performance and planning, and
 - Aircraft general knowledge.
- (b) Applicants for a BPL or SPL shall demonstrate a level of theoretical knowledge appropriate to the privileges granted through examinations in the following subjects:
 - (1) common subjects:
 - Air law,
 - Human performance,
 - Meteorology, and
 - Communications.
 - (2) specific subjects concerning the different aircraft categories:
 - Principles of flight,
 - Operational procedures,
 - Flight performance and planning,
 - Aircraft general knowledge, and
 - Navigation.]

FCL.235 Skill test

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (a) Applicants for a BPL, SPL or PPL shall demonstrate through the completion of a skill test the ability to perform, as PIC on the appropriate aircraft category, the relevant procedures and manoeuvres with competency appropriate to the privileges granted.
- (b) An applicant for the skill test shall have received flight instruction on the same class or type of aircraft, or a group of balloons to be used for the skill test.
- (c) Pass marks
 - (1) The skill test shall be divided into different sections, representing all the different phases of flight appropriate to the category of aircraft flown.
 - [^{F7}(2) Failure in any item of a section will cause the applicant to fail the entire section. If the applicant fails only 1 section, he/she shall repeat only that section. Failure in more than 1 section will cause the applicant to fail the entire test.]
 - (3) When the test needs to be repeated in accordance with (2), failure in any section, including those that have been passed on a previous attempt, will cause the applicant to fail the entire test.
 - (4) Failure to achieve a pass in all sections of the test in 2 attempts will require further training.

SECTION 2

Specific requirements for the PPL aeroplanes — PPL(A)

FCL.205 ~~PPL(A)~~ — Privileges

- [^{F6}(a) The privileges of the holders of a PPL(A) are to act without remuneration as PIC or co-pilots of aeroplanes or TMGs engaged in non-commercial operations and to exercise all privileges of holders of an LAPL(A).]
- (b) Notwithstanding the paragraph above, the holder of a PPL(A) with instructor or examiner privileges may receive remuneration for:
 - (1) the provision of flight instruction for the LAPL(A) or PPL(A);
 - (2) the conduct of skill tests and proficiency checks for these licences;
 - (3) [^{F7}the training, testing and checking for the ratings or certificates attached to this licence.]

FCL.210 ~~PPL(A)~~ — Experience requirements and crediting

- [^{F11}(a) Applicants for a PPL(A) shall have completed at least 45 hours of flight instruction in aeroplanes or TMGs, 5 of which may have been completed in an FSTD, including at least:
 - (1) 25 hours of dual flight instruction; and
 - (2) 10 hours of supervised solo flight time, including at least 5 hours of solo cross-country flight time with at least 1 cross-country flight of at least 270 km (150 NM), during which full stop landings at 2 aerodromes different from the aerodrome of departure shall be made.]

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- [^{F8}(b) Specific requirements for applicants holding an LAPL(A). Applicants for a PPL(A) holding an LAPL(A) shall have completed at least 15 hours of flight time on aeroplanes after the issue of the LAPL(A), of which at least 10 shall be flight instruction completed in a training course at a DTO or at an ATO. That training course shall include at least four hours of supervised solo flight time, including at least two hours of solo cross-country flight time with at least one cross-country flight of at least 270 km (150 NM), during which full stop landings at two aerodromes different from the aerodrome of departure shall be made.
- (c) Specific requirements for applicants holding an LAPL(S) or an SPL with a TMG extension. Applicants for a PPL(A) holding an LAPL(S) or an SPL with a TMG extension shall have completed:
- (1) at least 24 hours of flight time on TMG after the endorsement of the TMG extension; and
- (2) at least 15 hours of flight instruction in aeroplanes in a training course at a DTO or at an ATO, including at least the requirements of point (a)(2).]
- (d) Crediting. Applicants holding a pilot licence for another category of aircraft, with the exception of balloons, shall be credited with 10 % of their total flight time as PIC on such aircraft up to a maximum of 10 hours. The amount of credit given shall in any case not include the requirements in (a)(2).

SECTION 3

Specific requirements for the PPL helicopters — PPL(H)

FCL.205 PPL(H) — Privileges

- [^{F6}(a) The privileges of the holder of a PPL(H) are to act without remuneration as PIC or co-pilot of helicopters engaged in non-commercial operations and to exercise all privileges of holders of an LAPL(H).]
- (b) Notwithstanding the paragraph above, the holder of a PPL(H) with instructor or examiner privileges may receive remuneration for:
- (1) the provision of flight instruction for the LAPL(H) or the PPL(H);
- (2) the conduct of skill tests and proficiency checks for these licences;
- (3) [^{F7}the training, testing and checking for the ratings and certificates attached to this licence.]

FCL.210 PPL(H) — Experience requirements and crediting

- (a) Applicants for a PPL(H) shall have completed at least 45 hours of flight instruction on helicopters, 5 of which may have been completed in an FNPT or FFS, including at least:
- (1) 25 hours of dual flight instruction; and
- (2) 10 hours of supervised solo flight time, including at least 5 hours of solo cross-country flight time with at least 1 cross-country flight of at least 185 km (100 NM), with full stop landings at 2 aerodromes different from the aerodrome of departure.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (3) 35 of the 45 hours of flight instruction have to be completed on the same type of helicopter as the one used for the skill test.
- [^{F8}(b) Specific requirements for an applicant holding an LAPL(H). Applicants for a PPL(H) holding an LAPL(H) shall complete a training course at a DTO or at an ATO. That training course shall include at least five hours of dual flight instruction time and at least one supervised solo cross-country flight of at least 185 km (100 NM), with full stop landings at two aerodromes different from the aerodrome of departure.]
- (c) Applicants holding a pilot licence for another category of aircraft, with the exception of balloons, shall be credited with 10 % of their total flight time as PIC on such aircraft up to a maximum of 6 hours. The amount of credit given shall in any case not include the requirements in (a)(2).

SECTION 4

Specific requirements for the PPL airships — PPL(As)

FCL.205 ~~PPL~~(As) — Privileges

- (a) The privileges of the holder of a PPL(As) are to act without remuneration as PIC or co-pilot on airships engaged in non-commercial operations.
- (b) Notwithstanding the paragraph above, the holder of a PPL(As) with instructor or examiner privileges may receive remuneration for:
- (1) the provision of flight instruction for the PPL(As);
 - (2) the conduct of skill tests and proficiency checks for this licence;
 - (3) [^{F7}the training, testing and checking for the ratings or certificates attached to this licence.]

FCL.210 ~~PPL~~(As) — Experience requirements and crediting

- (a) Applicants for a PPL(As) shall have completed at least 35 hours of flight instruction in airships, 5 of which may have been completed in an FSTD, including at least:
- (1) 25 hours of dual flight instruction, including:
 - (i) 3 hours of cross-country flight training, including 1 cross-country flight of at least 65 km (35 NM);
 - (ii) 3 hours of instrument instruction;
 - (2) 8 take-offs and landings at an aerodrome, including masting and unmasting procedures;
 - (3) 8 hours of supervised solo flight time.
- (b) Applicants holding a BPL and qualified to fly hot-air airships shall be credited with 10 % of their total flight time as PIC on such airships up to a maximum of 5 hours.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

SECTION 5

Specific requirements for the sailplane pilot licence (SPL)

FCL.205~~SPL~~ — Privileges and conditions

- (a) The privileges of the holder of an SPL are to act as PIC on sailplanes and powered sailplanes. In order to exercise the privileges on a TMG, the holder shall have to comply with the requirements in FCL.135.S.
- (b) Holders of an SPL shall:
 - (1) carry passengers only when having completed, after the issuance of the licence, at least 10 hours of flight time or 30 launches as PIC on sailplanes or powered sailplanes;
 - (2) be restricted to act without remuneration in non-commercial operations until they have:
 - (i) attained the age of 18 years;
 - (ii) completed, after the issuance of the licence, 75 hours of flight time or 200 launches as PIC on sailplanes or powered sailplanes;
 - (iii) passed a proficiency check with an examiner.
- [^{F7}(c) Notwithstanding (b)(2), the holder of an SPL with instructor or examiner privileges may receive remuneration for:
 - (1) the provision of flight instruction for the LAPL(S) or the SPL;
 - (2) the conduct of skill tests and proficiency checks for these licences;
 - (3) the training, testing and checking for the ratings and certificates attached to these licences.]

FCL.210~~SPL~~ — Experience requirements and crediting

- (a) Applicants for an SPL shall have completed at least 15 hours of flight instruction on sailplanes or powered sailplanes, including at least the requirements specified in FCL.110.S.
- (b) Applicants for an SPL holding an LAPL(S) shall be fully credited towards the requirements for the issue of an SPL.

Applicants for an SPL who held an LAPL(S) within the period of 2 years before the application shall be fully credited towards the requirements of theoretical knowledge and flight instruction.

Crediting. Applicants holding a pilot licence for another category of aircraft, with the exception of balloons, shall be credited with 10 % of their total flight time as PIC on such aircraft up to a maximum of 7 hours. The amount of credit given shall in any case not include the requirements in of FCL.110.S(a)(2) to (a)(4).

FCL.220~~SPL~~ — Launch methods

The privileges of the SPL shall be limited to the launch method included in the skill test. This limitation may be removed and the new privileges exercised when the pilot complies with the requirements in FCL.130.S.

FCL.230~~SPL~~ — Recency requirements

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

Holders of an SPL shall only exercise the privileges of their licence when complying with the recency requirements in FCL.140.S.

SECTION 6

Specific requirements for the balloon pilot licence (BPL)

FCL.205 BPL — Privileges and conditions

- [^{F7}(a) The privileges of the holder of a BPL are to act as PIC on balloons.]
- (b) Holders of a BPL shall be restricted to act without remuneration in non-commercial operations until they have:
- (1) attained the age of 18 years;
 - (2) completed 50 hours of flight time and 50 take-offs and landings as PIC on balloons;
 - (3) passed a proficiency check with an examiner on a balloon in the specific class.
- (c) Notwithstanding paragraph (b), the holder of a BPL with instructor or examiner privileges may receive remuneration for:
- (1) the provision of flight instruction for the LAPL(B) or the BPL;
 - (2) the conduct of skill tests and proficiency checks for these licences;
 - (3) [^{F7}the training, testing and checking for the ratings and certificates attached to these licences.]

FCL.210 BPL — Experience requirements and crediting

- (a) Applicants for a BPL shall have completed on balloons in the same class and group at least 16 hours of flight instruction, including at least:
- (1) 12 hours of dual flight instruction;
 - (2) 10 inflations and 20 take-offs and landings; and
 - (3) 1 supervised solo flight with a minimum flight time of at least 30 minutes.
- (b) Applicants for a BPL holding an LAPL(B) shall be fully credited towards the requirements for the issue of a BPL.

Applicants for a BPL who held an LAPL(B) within the period of 2 years before the application shall be fully credited towards the requirements of theoretical knowledge and flight instruction.

FCL.220 BPL — Extension of privileges to tethered flights

The privileges of the BPL shall be limited to non-tethered flights. This limitation may be removed when the pilot complies with the requirements in FCL.130.B.

FCL.225 BPL — Extension of privileges to another balloon class or group

The privileges of the BPL shall be limited to the class and group of balloons in which the skill test was taken. This limitation may be removed when the pilot has:

- (a) in the case of an extension to another class within the same group, complied with the requirements in FCL.135.B;

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- (b) in the case of an extension to another group within the same class of balloons, completed at least:
- (1) 2 instruction flights on a balloon of the relevant group; and
 - (2) the following hours of flight time as PIC on balloons:
 - (i) for balloons with an envelope capacity between 3 401 m³ and 6 000 m³, at least 100 hours;
 - (ii) for balloons with an envelope capacity between 6 001 m³ and 10 500 m³, at least 200 hours;
 - (iii) for balloons with an envelope capacity of more than 10 500 m³, at least 300 hours;
 - (iv) for gas balloons with an envelope capacity of more than 1 260 m³, at least 50 hours.

[^{F11}FCL.201B — Recency requirements

- (a) Holders of a BPL shall only exercise the privileges of their licence when they have completed in one class of balloons in the last 24 months at least:
 - (1) 6 hours of flight time as PIC, including 10 take-offs and landings; and
 - (2) 1 training flight with an instructor in a balloon within the appropriate class;
 - (3) in addition, in the case of pilots qualified to fly more than one class of balloons, in order to exercise their privileges in the other class, they shall have completed at least 3 hours of flight time on that class within the last 24 months, including 3 take-offs and landings.
- (b) Holders of a BPL shall only operate a balloon of the same a group of the balloon in which the training flight is completed or a balloon of a group with a smaller envelope size:
- (c) Holders of a BPL who do not comply with the requirements in (a) shall, before they resume the exercise of their privileges:
 - (1) pass a proficiency check with an examiner in a balloon within the appropriate class; or
 - (2) perform the additional flight time or take-offs and landings, flying dual or solo under the supervision of an instructor, in order to fulfil the requirements in (a).
- (d) In the case of (c)(1) the holder of the BPL shall only operate a balloon of the same group of the balloon in which the proficiency check is completed or a balloon of a group with a smaller envelope size.]

SUBPART COMMERCIAL PILOT LICENCE — CPL

D

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

SECTION 1

Common requirements

FCL.300CPL — Minimum age

An applicant for a CPL shall be at least 18 years of age.

FCL.305CPL — Privileges and conditions

- (a) Privileges. The privileges of the holder of a CPL are, within the appropriate aircraft category, to:
- (1) exercise all the privileges of the holder of an LAPL and a PPL;
 - (2) act as PIC or co-pilot of any aircraft engaged in operations other than commercial air transport;
 - (3) act as PIC in commercial air transport of any single-pilot aircraft subject to the restrictions specified in FCL.060 and in this Subpart;
 - (4) act as co-pilot in commercial air transport subject to the restrictions specified in FCL.060.
- (b) Conditions. An applicant for the issue of a CPL shall have fulfilled the requirements for the class or type rating of the aircraft used in the skill test.

FCL.310CPL — Theoretical knowledge examinations

An applicant for a CPL shall demonstrate a level of knowledge appropriate to the privileges granted in the following subjects:

- Air Law,
- Aircraft General Knowledge — Airframe/Systems/Powerplant,
- Aircraft General Knowledge — Instrumentation,
- Mass and Balance,
- Performance,
- Flight Planning and Monitoring,
- Human Performance,
- Meteorology,
- General Navigation,
- Radio Navigation,
- Operational Procedures,
- Principles of Flight,
- Visual Flight Rules (VFR) Communications.

FCL.315CPL — Training course

An applicant for a CPL shall have completed theoretical knowledge instruction and flight instruction at an ATO, in accordance with Appendix 3 to this Part.

FCL.320CPL — Skill test

An applicant for a CPL shall pass a skill test in accordance with Appendix 4 to this Part to demonstrate the ability to perform, as PIC of the appropriate aircraft category, the relevant procedures and manoeuvres with the competency appropriate to the privileges granted.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

SECTION 2

Specific requirements for the aeroplane category — CPL(A)

[^{F12}FCL.325.A — Training course

Theoretical knowledge and flight instruction for the issue of a CPL(A) shall include upset prevention and recovery training.]

Textual Amendments

F12 Inserted by [Commission Regulation \(EU\) 2015/445 of 17 March 2015 amending Regulation \(EU\) No 1178/2011 as regards technical requirements and administrative procedures related to civil aviation aircrew \(Text with EEA relevance\)](#).

FCL.325.APL(A) — Specific conditions for MPL holders

Before exercising the privileges of a CPL(A), the holder of an MPL shall have completed in aeroplanes:

- (a) 70 hours of flight time:
 - (1) as PIC; or
 - (2) made up of at least 10 hours as PIC and the additional flight time as PIC under supervision (PICUS).

Of these 70 hours, 20 shall be of VFR cross-country flight time as PIC, or cross-country flight time made up of at least 10 hours as PIC and 10 hours as PICUS. This shall include a VFR cross-country flight of at least 540 km (300 NM) in the course of which full-stop landings at two different aerodromes shall be flown as PIC;

- (b) the elements of the CPL(A) modular course as specified in paragraphs 10(a) and 11 of Appendix 3, E to this Part; and
- (c) the CPL(A) skill test, in accordance with FCL.320.

SUBPART ~~MULTI-CREW PILOT LICENCE~~ — MPL E

FCL.400MPL — Minimum age

An applicant for an MPL shall be at least 18 years of age.

FCL.405MPL — Privileges

- (a) The privileges of the holder of an MPL are to act as co-pilot in an aeroplane required to be operated with a co-pilot.
- (b) The holder of an MPL may obtain the extra privileges of:
 - (1) the holder of a PPL(A), provided that the requirements for the PPL(A) specified in Subpart C are met;
 - (2) a CPL(A), provided that the requirements specified in FCL.325.A are met.
- (c) The holder of an MPL shall have the privileges of his/her IR(A) limited to aeroplanes required to be operated with a co-pilot. The privileges of the IR(A) may be extended to

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single-pilot operations in aeroplanes, provided that the licence holder has completed the training necessary to act as PIC in single-pilot operations exercised solely by reference to instruments and passed the skill test of the IR(A) as a single-pilot.

[^{F1}FCL.415MPL – Training course and theoretical knowledge examinations

(a) Course

Applicants for the issue of an MPL shall have completed a training course of theoretical knowledge and flight instruction at an ATO in accordance with Appendix 5 to this Annex (Part-FCL).

(b) Examination

Applicants for the issue of an MPL shall demonstrate a level of theoretical knowledge appropriate to the holders of an ATPL(A), in accordance with FCL.515, and to a multi-pilot type rating.]

FCL.415MPL — Practical skill

- (a) An applicant for an MPL shall have demonstrated through continuous assessment the skills required for fulfilling all the competency units specified in Appendix 5 to this Part, as pilot flying and pilot not flying, in a multi-engine turbine-powered multi-pilot aeroplane, under VFR and IFR.
- (b) On completion of the training course, the applicant shall pass a skill test in accordance with Appendix 9 to this Part, to demonstrate the ability to perform the relevant procedures and manoeuvres with the competency appropriate to the privileges granted. The skill test shall be taken in the type of aeroplane used on the advanced phase of the MPL integrated training course or in an FFS representing the same type.

SUBPART AIRLINE TRANSPORT PILOT LICENCE — ATPL

F

SECTION 1

Common requirements

FCL.500ATPL — Minimum age

Applicants for an ATPL shall be at least 21 years of age.

FCL.505ATPL — Privileges

- (a) The privileges of the holder of an ATPL are, within the appropriate aircraft category, to:
 - (1) exercise all the privileges of the holder of an LAPL, a PPL and a CPL;
 - (2) act as PIC of aircraft engaged in commercial air transport.
- (b) Applicants for the issue of an ATPL shall have fulfilled the requirements for the type rating of the aircraft used in the skill test.

FCL.515ATPL — Training course and theoretical knowledge examinations

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (a) Course. Applicants for an ATPL shall have completed a training course at an ATO. The course shall be either an integrated training course or a modular course, in accordance with Appendix 3 to this Part.
- (b) Examination. Applicants for an ATPL shall demonstrate a level of knowledge appropriate to the privileges granted in the following subjects:
- Air Law,
 - Aircraft General Knowledge — Airframe/Systems/Power plant,
 - Aircraft General Knowledge — Instrumentation,
 - Mass and Balance,
 - Performance,
 - Flight Planning and Monitoring,
 - Human Performance,
 - Meteorology,
 - General Navigation,
 - Radio Navigation,
 - Operational Procedures,
 - Principles of Flight,
 - VFR Communications,
 - IFR Communications.

SECTION 2

Specific requirements for the aeroplane category — ATPL(A)

FCL.505 ~~A~~ATPL(A) — Restriction of privileges for pilots previously holding an MPL

When the holder of an ATPL(A) has previously held only an MPL, the privileges of the licence shall be restricted to multi-pilot operations, unless the holder has complied with FCL.405.A(b) (2) and (c) for single-pilot operations.

FCL.510 ~~A~~ATPL(A) — Prerequisites, experience and crediting

- (a) Prerequisites. Applicants for an ATPL(A) shall hold:
- (1) an MPL; or
 - (2) a CPL(A) and a multi-engine IR for aeroplanes. In this case, the applicant shall also have received instruction in MCC.
- (b) Experience. Applicants for an ATPL(A) shall have completed a minimum of 1 500 hours of flight time in aeroplanes, including at least:
- (1) 500 hours in multi-pilot operations on aeroplanes;
 - (2)
 - (i) 500 hours as PIC under supervision; or
 - (ii) 250 hours as PIC; or
 - (iii) 250 hours, including at least 70 hours as PIC, and the remaining as PIC under supervision;

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Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (3) 200 hours of cross-country flight time of which at least 100 hours shall be as PIC or as PIC under supervision;
- (4) 75 hours of instrument time of which not more than 30 hours may be instrument ground time; and
- (5) 100 hours of night flight as PIC or co-pilot.

Of the 1 500 hours of flight time, up to 100 hours of flight time may have been completed in an FFS and FNPT. Of these 100 hours, only a maximum of 25 hours may be completed in an FNPT.

- (c) Crediting.
 - (1) Holders of a pilot licence for other categories of aircraft shall be credited with flight time up to a maximum of:
 - (i) for TMG or sailplanes, 30 hours flown as PIC;
 - (ii) for helicopters, 50 % of all the flight time requirements of paragraph (b).
 - (2) [^{F7}Holders of a flight engineer licence issued in accordance with applicable national rules shall be credited with 50 % of the flight engineer time up to a maximum credit of 250 hours. These 250 hours may be credited against the 1 500 hours requirement of paragraph (b), and the 500 hours requirement of paragraph (b)(1), provided that the total credit given against any of these paragraphs does not exceed 250 hours.]
- (d) The experience required in (b) shall be completed before the skill test for the ATPL(A) is taken.

FCL.520 ~~ATPL(A)~~ — Skill test

Applicants for an ATPL(A) shall pass a skill test in accordance with Appendix 9 to this Part to demonstrate the ability to perform, as PIC of a multi-pilot aeroplane under IFR, the relevant procedures and manoeuvres with the competency appropriate to the privileges granted.

The skill test shall be taken in the aeroplane or an adequately qualified FFS representing the same type.

SECTION 3

Specific requirements for the helicopter category — ATPL(H)

FCL.510 ~~ATPL(H)~~ — Prerequisites, experience and crediting

Applicants for an ATPL(H) shall:

- (a) hold a CPL(H) and a multi-pilot helicopter type rating and have received instruction in MCC;
- (b) have completed as a pilot of helicopters a minimum of 1 000 hours of flight time including at least:
 - (1) 350 hours in multi-pilot helicopters;
 - (2) (i) 250 hours as PIC; or
 - (ii) 100 hours as PIC and 150 hours as PIC under supervision; or

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (iii) 250 hours as PIC under supervision in multi-pilot helicopters. In this case, the ATPL(H) privileges shall be limited to multi-pilot operations only, until 100 hours as PIC have been completed;
 - (3) 200 hours of cross-country flight time of which at least 100 hours shall be as PIC or as PIC under supervision;
 - (4) 30 hours of instrument time of which not more than 10 hours may be instrument ground time; and
 - (5) 100 hours of night flight as PIC or as co-pilot.
- Of the 1 000 hours, a maximum of 100 hours may have been completed in an FSTD, of which not more than 25 hours may be completed in an FNPT.
- (c) Flight time in aeroplanes shall be credited up to 50 % against the flight time requirements of paragraph (b).
 - (d) The experience required in (b) shall be completed before the skill test for the ATPL(H) is taken.

FCL.520 ~~ATPL~~(H) — Skill test

Applicants for an ATPL(H) shall pass a skill test in accordance with Appendix 9 to this Part to demonstrate the ability to perform as PIC of a multi-pilot helicopter the relevant procedures and manoeuvres with the competency appropriate to the privileges granted.

The skill test shall be taken in the helicopter or an adequately qualified FFS representing the same type.

SUBPART INSTRUMENT RATING — IR G

SECTION 1

Common requirements

[^{F7}FCL.600 ~~R~~ — General

[^{F13}Except as provided in FCL.825, operations under IFR on an aeroplane, helicopter, airship or powered-lift aircraft shall only be conducted by holders of:

Textual Amendments

F13 Substituted by Commission Regulation (EU) 2016/539 of 6 April 2016 amending Regulation (EU) No 1178/2011 as regards pilot training, testing and periodic checking for performance-based navigation (Text with EEA relevance).

- (a) a PPL, CPL, MPL and ATPL, and
- (b) except when undergoing skill tests, proficiency checks or when receiving dual instruction, an IR with privileges appropriate to the applicable airspace requirements and to the category of aircraft.]]

FCL.605IR — Privileges

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- [^{F13}(a) The privileges of a holder of an IR are to fly aircraft under IFR, including PBN operations, with a minimum decision height of no less than 200 feet (60 m).]
- (b) In the case of a multi-engine IR, these privileges may be extended to decision heights lower than 200 feet (60 m) when the applicant has undergone specific training at an ATO and has passed section 6 of the skill test prescribed in Appendix 9 to this Part in multi-pilot aircraft.
- (c) Holders of an IR shall exercise their privileges in accordance with the conditions established in Appendix 8 to this Part.
- (d) Helicopters only. To exercise privileges as PIC under IFR in multi-pilot helicopters, the holder of an IR(H) shall have at least 70 hours of instrument time of which up to 30 hours may be instrument ground time.

FCL.610IR — Prerequisites and crediting

Applicants for an IR shall:

- (a) hold:
- (1) at least a PPL in the appropriate aircraft category, and:
 - (i) [^{F7}the privileges to fly at night in accordance with FCL.810, if the IR privileges will be used at night; or]
 - (ii) an ATPL in another category of aircraft; or
 - (2) a CPL, in the appropriate aircraft category;
- (b) [^{F7}have completed at least 50 hours of cross-country flight time as PIC in aeroplanes, TMGs, helicopters or airships, of which at least 10 or, in the case of airships, 20 hours shall be in the relevant aircraft category;]
- (c) Helicopters only. Applicants who have completed an ATP(H)/IR, ATP(H), CPL(H)/IR or CPL(H) integrated training course shall be exempted from the requirement in (b).

FCL.615IR — Theoretical knowledge and flight instruction

- (a) Course. Applicants for an IR shall have received a course of theoretical knowledge and flight instruction at an ATO. The course shall be:
- (1) an integrated training course which includes training for the IR, in accordance with Appendix 3 to this Part; or
 - (2) a modular course in accordance with Appendix 6 to this Part.
- [^{F7}(b) Examination. Applicants shall demonstrate a level of theoretical knowledge appropriate to the privileges granted in the following subjects:
- Air Law,
 - Aircraft General Knowledge - Instrumentation,
 - Flight Planning and Monitoring,
 - Human Performance,
 - Meteorology,
 - Radio Navigation,
 - IFR Communications.]

Status: Point in time view as at 31/01/2020.

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FCL.620IR — Skill test

- (a) Applicants for an IR shall pass a skill test in accordance with Appendix 7 to this Part to demonstrate the ability to perform the relevant procedures and manoeuvres with a degree of competency appropriate to the privileges granted.
- (b) For a multi-engine IR, the skill test shall be taken in a multi-engine aircraft. For a single-engine IR, the test shall be taken in a single-engine aircraft. A multi-engine centreline thrust aeroplane shall be considered a single-engine aeroplane for the purposes of this paragraph.

[^{F6}FCL.615 — Validity, revalidation and renewal

(a) Validity

An IR shall be valid for 1 year.

(b) Revalidation

- (1) An IR shall be revalidated within the 3 months immediately preceding its expiry date by complying with the revalidation criteria for the relevant aircraft category.
- (2) If applicants choose to fulfil the revalidation requirements earlier than prescribed in point (1), the new validity period shall commence from the date of the proficiency check.
- (3) Applicants who fail to pass the relevant section of an IR proficiency check before the expiry date of the IR shall exercise the IR privileges only if they have passed the IR proficiency check.

(c) Renewal

If an IR has expired, in order to renew their privileges, applicants shall comply with all of the following:

- (1) complete a refresher training at an ATO, if deemed necessary by the ATO to reach the level of proficiency needed to pass the instrument element of the skill test in accordance with Appendix 9 to this Annex;
- (2) pass a proficiency check in accordance with Appendix 9 to this Annex in the relevant aircraft category;
- (3) hold the relevant class or type rating unless otherwise specified in this Annex.
- (d) If the IR has not been revalidated or renewed in the preceding 7 years, applicants for the IR shall pass again the IR theoretical knowledge examination and skill test.
- (e) Holders of a valid IR on a pilot licence issued by a third country in accordance with Annex 1 to the Chicago Convention shall be exempted from complying with the requirements in points (c)(1) and (d) when renewing the IR privileges contained in licences issued in accordance with this Annex.
- (f) The proficiency check mentioned in points (c)(2) and (e) may be combined with a proficiency check performed for the renewal of the relevant class or type rating.]

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

SECTION 2

Specific requirements for the aeroplane category

FCL.625IR(A) — Revalidation

[^{F6}(a) Revalidation.

To revalidate an IR(A), applicants shall:

- (1) hold the relevant class or type rating, unless the IR revalidation is combined with the renewal of the relevant class or type rating;
- (2) pass a proficiency check in accordance with Appendix 9 to this Annex if the IR revalidation is combined with the revalidation of a class or type rating;
- (3) if the IR revalidation is not combined with the revalidation of a class or type rating:
 - (i) for single-pilot aeroplanes, complete section 3b and those parts of section 1 which are relevant to the intended flight of the proficiency check in accordance with Appendix 9 to this Annex;
 - (ii) for multi-engine aeroplanes, complete section 6 of the proficiency check for single-pilot aeroplanes in accordance with Appendix 9 to this Annex by sole reference to instruments.
- (4) An FNPT II or an FFS representing the relevant class or type of aeroplane may be used for the revalidation pursuant to point (2), provided that at least each alternate proficiency check for the revalidation of an IR(A) is performed in an aeroplane.]
- (b) Cross-credit shall be given in accordance with Appendix 8 to this Part.

SECTION 3

Specific requirements for the helicopter category

[^{F6}FCL.625IR(H) — Revalidation

- (a) To revalidate an IR(H), applicants shall:
 - (1) hold the relevant type rating, unless the IR revalidation is combined with the renewal of the relevant type rating;
 - (2) pass a proficiency check in accordance with Appendix 9 to this Annex for the relevant type of helicopter if the IR revalidation is combined with the revalidation of a type rating;
 - (3) if the IR revalidation is not combined with the revalidation of a type rating, complete Section 5 and the relevant parts of Section 1 of the proficiency check in accordance with Appendix 9 to this Annex for the relevant type of helicopter.
- (b) An FTD 2/3 or an FFS representing the relevant type of helicopter may be used for the proficiency check pursuant to point (a)(3), provided that at least each alternate proficiency check for the revalidation of an IR(H) is performed in a helicopter.
- (c) Cross-credit shall be given in accordance with Appendix 8 to this Annex.]

FCL.630IR(H) — Extension of privileges from single-engine to multi-engine helicopters

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

Holders of an IR(H) valid for single-engine helicopters wishing to extend for the first time the IR(H) to multi-engine helicopters shall complete:

- (a) a training course at an ATO comprising at least 5 hours dual instrument instruction time, of which 3 hours may be in an FFS or FTD 2/3 or FNPT II/III; and
- (b) section 5 of the skill test in accordance with Appendix 9 to this Part on multi-engine helicopters.

SECTION 4

Specific requirements for the airship category

FCL.625 IR(As) — Revalidation

Applicants for the revalidation of an IR(As):

- (a) when combined with the revalidation of a type rating, shall complete a proficiency check in accordance with Appendix 9 to this Part, for the relevant type of airship;
- (b) when not combined with the revalidation of a type rating, shall complete section 5 and those parts of section 1 relevant to the intended flight of the proficiency check for airships in accordance with Appendix 9 of this part. In this case, an FTD 2/3 or FFS representing the relevant type may be used, but at least each alternate proficiency check for the revalidation of an IR(As) in these circumstances shall be performed in an airship.

SUBPART CLASS AND TYPE RATINGS

H

SECTION 1

Common requirements

FCL.700 Circumstances in which class or type ratings are required

- [^{F13}(a) Holders of a pilot licence shall not act in any capacity as pilots of an aircraft unless they have a valid and appropriate class or type rating, except in any of the following cases:
 - (i) for LAPL, SPL and BPL;
 - (ii) when undergoing skill tests, or proficiency checks for renewal of class or type ratings;
 - (iii) when receiving flight instruction;
 - (iv) when they hold a flight test rating issued in accordance with FCL.820.]
- (b) Notwithstanding (a), in the case of flights related to the introduction or modification of aircraft types, pilots may hold a special certificate given by the competent authority, authorising them to perform the flights. This authorisation shall have its validity limited to the specific flights.
- [^{F14}(c)

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Textual Amendments

F14 Deleted by [Commission Regulation \(EU\) 2016/539 of 6 April 2016 amending Regulation \(EU\) No 1178/2011 as regards pilot training, testing and periodic checking for performance-based navigation \(Text with EEA relevance\)](#).

FCL.705 Privileges of the holder of a class or type rating

The privileges of the holder of a class or type rating are to act as pilot on the class or type of aircraft specified in the rating.

[^{F6}FCL.705] Class and type ratings — variants

- (a) Pilots shall complete differences training or familiarisation in order to extend their privileges to another variant of aircraft within one class or type rating. In the case of variants within a class or type rating, the differences training or familiarisation shall include the relevant elements defined in the OSD, where applicable.
- (b) The differences training shall be conducted at any of the following:
 - (1) an ATO;
 - (2) a DTO in the case of aircraft referred to in points (a)(1)(c) and (a)(2)(c) of point DTO.GEN.110 of Annex VIII;
 - (3) an AOC holder having an approved differences training programme for the relevant class or type.
- (c) Notwithstanding the requirement in point (b), differences training for TMG, single-engine piston (SEP), single-engine turbine (SET) and multi-engine piston (MEP) aeroplanes may be conducted by an appropriately qualified instructor unless otherwise provided in the OSD.
- (d) If pilots have not flown the variant within 2 years following the training listed in point (b), a further differences training or a proficiency check in that variant shall be completed, except for types or variants within the SEP and TMG class ratings.
- (e) The differences training or the proficiency check in that variant shall be entered in the pilots' logbook or equivalent record and signed by the instructor or examiner as appropriate.]

FCL.725 Requirements for the issue of class and type ratings

- [^{F8}(a) Training course. An applicant for a class or type rating shall complete a training course at an ATO. An applicant for a non-high-performance single-engine piston class rating, a TMG class rating or a single-engine type rating for helicopters referred to in point DTO.GEN.110(a)(2)(c) of Annex VIII (Part-DTO) may complete the training course at a DTO. The type rating training course shall include the mandatory training elements for the relevant type as defined in the operational suitability data established in accordance with Annex I (Part-21) to Commission Regulation (EU) No 748/2012.]
- (b) Theoretical knowledge examination. The applicant for a class or type rating shall pass a theoretical knowledge examination organised by the ATO to demonstrate the level of theoretical knowledge required for the safe operation of the applicable aircraft class or type.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (1) For multi-pilot aircraft, the theoretical knowledge examination shall be written and comprise at least 100 multiple-choice questions distributed appropriately across the main subjects of the syllabus.
- (2) For single-pilot multi-engine aircraft, the theoretical knowledge examination shall be written and the number of multiple-choice questions shall depend on the complexity of the aircraft.
- (3) For single-engine aircraft, the theoretical knowledge examination shall be conducted verbally by the examiner during the skill test to determine whether or not a satisfactory level of knowledge has been achieved.
- (4) [^{F7}For single-pilot aeroplanes that are classified as high performance aeroplanes, the examination shall be written and comprise at least 100 multiple-choice questions distributed appropriately across the subjects of the syllabus.]
- (5) [^{F4}For single-pilot single-engine and single-pilot multi-engine aeroplanes (sea), the examination shall be in a written form and shall comprise at least 30 multiple-choice questions.]
- (c) Skill test. An applicant for a class or type rating shall pass a skill test in accordance with Appendix 9 to this Part to demonstrate the skill required for the safe operation of the applicable class or type of aircraft.

The applicant shall pass the skill test within a period of 6 months after commencement of the class or type rating training course and within a period of 6 months preceding the application for the issue of the class or type rating.

- [^{F1}(d) An applicant who already holds a type rating for an aircraft type, with the privilege for either single-pilot or multi-pilot operations, shall be considered to have already fulfilled the theoretical requirements when applying to add the privilege for the other form of operation on the same aircraft type. Such an applicant shall complete additional flight training for the other form of operation at an ATO or an AOC holder specifically authorised for such training by the competent authority. The form of operation shall be entered in the licence.]
- (e) Notwithstanding the paragraphs above, pilots holding a flight test rating issued in accordance with FCL.820 who were involved in development, certification or production flight tests for an aircraft type, and have completed either 50 hours of total flight time or 10 hours of flight time as PIC on test flights in that type, shall be entitled to apply for the issue of the relevant type rating, provided that they comply with the experience requirements and the prerequisites for the issue of that type rating, as established in this Subpart for the relevant aircraft category.

[^{F6}FCL.740] **Validity and renewal of class and type ratings**

- (a) Validity

The validity period of class and type ratings shall be 1 year, except for single-pilot single-engine class ratings for which the validity period shall be 2 years, unless otherwise determined in the OSD. If pilots choose to fulfil the revalidation requirements earlier than prescribed in FCL.740.A, FCL.740.H, FCL.740.PL and FCL.740.As, the new validity period shall commence from the date of the proficiency check.

- (b) Renewal

For the renewal of a class or type rating the applicant shall comply with all of the following:

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- (1) complete a proficiency check in accordance with Appendix 9 to this Annex
- (2) prior to the proficiency check referred to in point (1), complete a refresher training at an ATO if deemed necessary by the ATO to reach the level of proficiency to safely operate the relevant class or type of aircraft, except if it holds a valid rating for the same class or type of aircraft on a pilot licence issued by a third country in accordance with Annex 1 to the Chicago Convention and if it is entitled to exercise the privileges of that rating. The applicant may take the training:
 - (i) at a DTO or at an ATO, if the expired rating concerned a non-high-performance single-engine piston class rating, a TMG class rating or a single-engine type rating for helicopters referred to in point DTO.GEN.110(a)(2)(c) of Annex VIII;
 - (ii) at a DTO, at an ATO or with an instructor, if the rating expired no more than three years before and the rating concerned a non-high-performance single-engine piston class rating or a TMG class rating.
- (3) Notwithstanding the points (b)(1) and (b)(2), pilots holding a flight test rating issued in accordance with point FCL.820 who were involved in the development, certification or production flight tests for an aircraft type and have completed either 50 hours of total flight time or 10 hours of flight time as PIC in test flights in that type during the year prior to the date of their application, shall be entitled to apply for the revalidation or renewal of the relevant type rating.]

SECTION 2

Specific requirements for the aeroplane category

[^{F1}FCL.701 Experience requirements and prerequisites for the issue of class or type ratings — aeroplanes

Unless otherwise determined in the operational suitability data established in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012 (OSD), applicants for the issue of a class or type rating shall comply with the following experience requirements and prerequisites for the issue of the relevant rating:

- (a) Single-pilot aeroplanes

Applicants for the issue of a first class or type rating on a single-pilot aeroplane seeking the privilege to operate the aeroplane in multi-pilot operations shall meet the requirements in points (b)(4) and (b)(5).

Additionally, for:

- (1) Single-pilot multi-engine aeroplanes

Applicants for the issue of a first class or type rating on a single-pilot multi-engine aeroplane shall have completed at least 70 hours as PIC in aeroplanes.

- (2) Single-pilot high-performance non-complex aeroplanes

Before starting flight training, applicants for the issue of a class or type rating for a single-pilot aeroplane classified as a high-performance aeroplane shall:

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (i) have at least 200 hours of total flying experience, of which 70 hours as PIC in aeroplanes; and
- (ii) comply with one of the following requirements:
 - (A) hold a certificate of satisfactory completion of a course for additional theoretical knowledge undertaken at an ATO; or
 - (B) have passed the ATPL(A) theoretical knowledge examinations in accordance with this Annex (Part-FCL); or
 - (C) hold, in addition to a licence issued in accordance with this Annex (Part-FCL), an ATPL(A) or CPL(A)/IR with theoretical knowledge credit for ATPL(A), issued in accordance with Annex 1 to the Chicago Convention.
- (3) Single-pilot high-performance complex aeroplanes

Applicants for the issue of a type rating for a complex single-pilot aeroplane classified as a high-performance aeroplane shall, in addition to meeting the requirements in point (2), hold or have held a single- or multi-engine IR(A), as appropriate and as established in Subpart G and shall meet the requirements in point (b)(5).

(b) Multi-pilot aeroplanes

Applicants for the issue of the first type rating course for a multi-pilot aeroplane shall be student pilots currently undergoing training on an MPL training course or comply with the following requirements:

- (1) have at least 70 hours of flight experience as PIC in aeroplanes;
- (2) hold or have held a multi-engine IR(A);
- (3) have passed the ATPL(A) theoretical knowledge examinations in accordance with this Annex (Part-FCL);
- (4) except when the type rating course is combined with an MCC course:
 - (i) hold a certificate of satisfactory completion of an MCC course in aeroplanes; or
 - (ii) hold a certificate of satisfactory completion of MCC in helicopters and have more than 100 hours of flight experience as pilots of multi-pilot helicopters; or
 - (iii) have at least 500 hours as pilots of multi-pilot helicopters; or
 - (iv) have at least 500 hours as pilots in multi-pilot operations on single-pilot multi-engine aeroplanes, in commercial air transport in accordance with the applicable air operations requirements; and
- (5) have completed the training course specified in FCL.745.A.
- (c) Notwithstanding point (b), a Member State may issue a type rating with restricted privileges for a multi-pilot aeroplane that allows holders of such a rating to act as cruise relief co-pilots above Flight Level 200, provided that two other members of the crew have a type rating in accordance with point (b).
- (d) When so determined in the OSD, the exercise of the privileges of a type rating may be initially limited to flight under the supervision of an instructor. The flight hours under

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supervision shall be entered in the pilots' logbook or equivalent record and signed by the instructor. The limitation shall be removed when pilots demonstrate that the hours of flight under supervision required in the OSD have been completed.]

[^{F1}**FCL.725 Theoretical knowledge and flight instruction for the issue of class and type ratings — aeroplanes**

Unless otherwise determined in the operational suitability data established in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012:

- (a) for single-pilot multi-engine aeroplanes:
 - (1) the theoretical knowledge course for a single-pilot multi-engine class rating shall include at least 7 hours of instruction in multi-engine aeroplane operations; and
 - (2) the flight training course for a single-pilot multi-engine class or type rating shall include at least 2 hours and 30 minutes of dual flight instruction under normal conditions of multi-engine aeroplane operations, and not less than 3 hours 30 minutes of dual flight instruction in engine failure procedures and asymmetric flight techniques.
- (b) for single-pilot aeroplanes (sea):
 - (1) the training course for single-pilot aeroplane (sea) ratings shall include theoretical knowledge and flight instruction; and
 - (2) the flight training for a class or type rating (sea) for single-pilot aeroplanes (sea) shall include at least 8 hours of dual flight instruction if applicants hold the land version of the relevant class or type rating, or 10 hours if applicants do not hold such a rating; and
- (c) for single-pilot non-high-performance complex aeroplanes, single-pilot high-performance complex aeroplanes and multi-pilot aeroplanes, the training courses shall include UPRT theoretical knowledge and flight instruction related to the specificities of the relevant class or type.]

FCL.730 Specific requirements for pilots undertaking a zero flight time type rating (ZFTT) course — aeroplanes

- (a) A pilot undertaking instruction at a ZFTT course shall have completed, on a multi-pilot turbo-jet aeroplane certificated to the standards of CS-25 or equivalent airworthiness code or on a multi-pilot turbo-prop aeroplane having a maximum certificated take-off mass of not less than 10 tonnes or a certificated passenger seating configuration of more than 19 passengers, at least:
 - (1) if an FFS qualified to level CG, C or interim C is used during the course, 1 500 hours flight time or 250 route sectors;
 - (2) if an FFS qualified to level DG or D is used during the course, 500 hours flight time or 100 route sectors.
- (b) When a pilot is changing from a turbo-prop to a turbo-jet aeroplane or from a turbo-jet to a turbo-prop aeroplane, additional simulator training shall be required.

FCL.735 Multi-crew cooperation training course — aeroplanes

- (a) The MCC training course shall comprise at least:

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- (1) 25 hours of theoretical knowledge instruction and exercises; and
- (2) 20 hours of practical MCC training, or 15 hours in the case of student pilots attending an ATP integrated course.

An FNPT II MCC or an FFS shall be used. When the MCC training is combined with initial type rating training, the practical MCC training may be reduced to no less than 10 hours if the same FFS is used for both the MCC and type rating training.

- (b) The MCC training course shall be completed within 6 months at an ATO.
- (c) Unless the MCC course has been combined with a type rating course, on completion of the MCC training course the applicant shall be given a certificate of completion.
- (d) An applicant having completed MCC training for any other category of aircraft shall be exempted from the requirement in (a)(1).

FCL.740 Revalidation of class and type ratings — aeroplanes

- (a) Revalidation of multi-engine class ratings and type ratings. For revalidation of multi-engine class ratings and type ratings, the applicant shall:
 - (1) pass a proficiency check in accordance with Appendix 9 to this Part in the relevant class or type of aeroplane or an FSTD representing that class or type, within the 3 months immediately preceding the expiry date of the rating; and
 - (2) complete during the period of validity of the rating, at least:
 - (i) 10 route sectors as pilot of the relevant class or type of aeroplane; or
 - (ii) 1 route sector as pilot of the relevant class or type of aeroplane or FFS, flown with an examiner. This route sector may be flown during the proficiency check.
 - (3) A pilot working for a commercial air transport operator approved in accordance with the applicable air operations requirements who has passed the operators proficiency check combined with the proficiency check for the revalidation of the class or type rating shall be exempted from complying with the requirement in (2).
 - (4) ^[F7]The revalidation of an en route instrument rating (EIR) or an IR(A), if held, may be combined with a proficiency check for the revalidation of a class or type rating.]
- ^[F11](b) Revalidation of single-pilot single-engine class ratings.
 - (1) Single-engine piston aeroplane class ratings and TMG ratings. For revalidation of single-pilot single-engine piston aeroplane class ratings or TMG class ratings the applicant shall:
 - (i) within the 3 months preceding the expiry date of the rating, pass a proficiency check in the relevant class in accordance with Appendix 9 to this Part with an examiner; or
 - (ii) within the 12 months preceding the expiry date of the rating, complete 12 hours of flight time in the relevant class, including:
 - 6 hours as PIC,
 - 12 take-offs and 12 landings, and
 - refresher training of at least 1 hour of total flight time with a flight instructor (FI) or a class rating instructor (CRI). Applicants shall

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be exempted from this refresher training if they have passed a class or type rating proficiency check, skill test or assessment of competence in any other class or type of aeroplane.

- (2) When applicants hold both a single-engine piston aeroplane-land class rating and a TMG rating, they may complete the requirements of (1) in either class or a combination thereof, and achieve revalidation of both ratings.
- (3) Single-pilot single-engine turbo-prop aeroplanes. For revalidation of single-engine turbo-prop class ratings applicants shall pass a proficiency check on the relevant class in accordance with Appendix 9 to this Part with an examiner, within the 3 months preceding the expiry date of the rating.
- (4) When applicants hold both a single-engine piston aeroplane-land class rating and a single-engine piston aeroplane-sea class rating, they may complete the requirements of (1)(ii) in either class or a combination thereof, and achieve the fulfilment of these requirements for both ratings. At least 1 hour of required PIC time and 6 of the required 12 take-offs and landings shall be completed in each class.]
- (c) Applicants who fail to achieve a pass in all sections of a proficiency check before the expiry date of a class or type rating shall not exercise the privileges of that rating until a pass in the proficiency check has been achieved.

[^{F2}FCL.745.A Advanced UPRT course — aeroplanes

- (a) The advanced UPRT course shall be completed at an ATO and shall comprise at least:
 - (1) 5 hours of theoretical knowledge instruction;
 - (2) preflight briefings and postflight debriefings; and
 - (3) 3 hours of dual flight instruction with a flight instructor for aeroplanes FI(A) qualified in accordance with point FCL.915 (e) and consisting of advanced UPRT in an aeroplane qualified for the training task.
- (b) Upon completion of the UPRT course, applicants shall be issued with a certificate of completion by the ATO.]

SECTION 3

Specific requirements for the helicopter category

FCL.720 Experience requirements and prerequisites for the issue of type ratings — helicopters

Unless otherwise determined in the operational suitability data established in accordance with Part-21, an applicant for the issue of the first helicopter type rating shall comply with the following experience requirements and prerequisites for the issue of the relevant rating:

- (a) Multi-pilot helicopters. An applicant for the first type rating course for a multi-pilot helicopter type shall:
 - (1) have at least 70 hours as PIC on helicopters;
 - (2) except when the type rating course is combined with an MCC course:
 - (i) hold a certificate of satisfactory completion of an MCC course in helicopters; or

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- (ii) have at least 500 hours as a pilot on multi-pilot aeroplanes; or
 - (iii) have at least 500 hours as a pilot in multi-pilot operations on multi-engine helicopters;
 - (3) have passed the ATPL(H) theoretical knowledge examinations.
- (b) An applicant for the first type rating course for a multi-pilot helicopter type who is a graduate from an ATP(H)/IR, ATP(H), CPL(H)/IR or CPL(H) integrated course and who does not comply with the requirement of (a)(1), shall have the type rating issued with the privileges limited to exercising functions as co-pilot only. The limitation shall be removed once the pilot has:
 - (1) completed 70 hours as PIC or pilot-in-command under supervision of helicopters;
 - (2) passed the multi-pilot skill test on the applicable helicopter type as PIC.
- (c) Single-pilot multi-engine helicopters. An applicant for the issue of a first type rating for a single-pilot multi-engine helicopter shall:
 - (1) before starting flight training:
 - (i) have passed the ATPL(H) theoretical knowledge examinations; or
 - (ii) hold a certificate of completion of a pre-entry course conducted by an ATO. The course shall cover the following subjects of the ATPL(H) theoretical knowledge course:
 - Aircraft General Knowledge: airframe/systems/power plant, and instrument/electronics,
 - Flight Performance and Planning: mass and balance, performance;
 - (2) in the case of applicants who have not completed an ATP(H)/IR, ATP(H), or CPL(H)/IR integrated training course, have completed at least 70 hours as PIC on helicopters.

FCL.735 Multi-crew cooperation training course — helicopters

- (a) The MCC training course shall comprise at least:
 - (1) for MCC/IR:
 - (i) 25 hours of theoretical knowledge instruction and exercises; and
 - (ii) 20 hours of practical MCC training or 15 hours, in the case of student pilots attending an ATP(H)/IR integrated course. When the MCC training is combined with the initial type rating training for a multi-pilot helicopter, the practical MCC training may be reduced to not less than 10 hours if the same FSTD is used for both MCC and type rating;
 - (2) for MCC/VFR:
 - (i) 25 hours of theoretical knowledge instruction and exercises; and
 - (ii) 15 hours of practical MCC training or 10 hours, in the case of student pilots attending an ATP(H)/IR integrated course. When the MCC training is combined with the initial type rating training for a multi-pilot helicopter, the

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practical MCC training may be reduced to not less than 7 hours if the same FSTD is used for both MCC and type rating.

- (b) The MCC training course shall be completed within 6 months at an ATO.

An FNPT II or III qualified for MCC, an FTD 2/3 or an FFS shall be used.

- (c) Unless the MCC course has been combined with a multi-pilot type rating course, on completion of the MCC training course the applicant shall be given a certificate of completion.
- (d) An applicant having completed MCC training for any other category of aircraft shall be exempted from the requirement in (a)(1)(i) or (a)(2)(i), as applicable.
- (e) An applicant for MCC/IR training who has completed MCC/VFR training shall be exempted from the requirement in (a)(1)(i), and shall complete 5 hours of practical MCC/IR training.

FCL.740 Revalidation of type ratings — helicopters

- (a) Revalidation. For revalidation of type ratings for helicopters, the applicant shall:
- (1) pass a proficiency check in accordance with Appendix 9 to this Part in the relevant type of helicopter or an FSTD representing that type within the 3 months immediately preceding the expiry date of the rating; and
- (2) complete at least 2 hours as a pilot of the relevant helicopter type within the validity period of the rating. The duration of the proficiency check may be counted towards the 2 hours.
- (3) When applicants hold more than 1 type rating for single-engine piston helicopters, they may achieve revalidation of all the relevant type ratings by completing the proficiency check in only 1 of the relevant types held, provided that they have completed at least 2 hours of flight time as PIC on the other types during the validity period.

The proficiency check shall be performed each time on a different type.

- (4) When applicants hold more than 1 type rating for single-engine turbine helicopters with a maximum certificated take-off mass up to 3 175 kg, they may achieve revalidation of all the relevant type ratings by completing the proficiency check in only 1 of the relevant types held, provided that they have completed:
- (i) 300 hours as PIC on helicopters;
- (ii) 15 hours on each of the types held; and
- (iii) at least 2 hours of PIC flight time on each of the other types during the validity period.

The proficiency check shall be performed each time on a different type.

- (5) A pilot who successfully completes a skill test for the issue of an additional type rating shall achieve revalidation for the relevant type ratings in the common groups, in accordance with (3) and (4).
- (6) The revalidation of an IR(H), if held, may be combined with a proficiency check for a type rating.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (b) An applicant who fails to achieve a pass in all sections of a proficiency check before the expiry date of a type rating shall not exercise the privileges of that rating until a pass in the proficiency check has been achieved. In the case of (a)(3) and (4), the applicant shall not exercise his/her privileges in any of the types.

SECTION 4

Specific requirements for the powered-lift aircraft category

FCL.720 Experience requirements and prerequisites for the issue of type ratings — powered-lift aircraft

Unless otherwise determined in the operational suitability data established in accordance with Part-21, an applicant for the first issue of a powered-lift type rating shall comply with the following experience requirements and prerequisites:

- (a) for pilots of aeroplanes:
- (1) hold a CPL/IR(A) with ATPL theoretical knowledge or an ATPL(A);
 - (2) hold a certificate of completion of an MCC course;
 - (3) have completed more than 100 hours as pilot on multi-pilot aeroplanes;
 - (4) have completed 40 hours of flight instruction in helicopters;
- (b) for pilots of helicopters:
- (1) hold a CPL/IR(H) with ATPL theoretical knowledge or an ATPL/IR(H);
 - (2) hold a certificate of completion of an MCC course;
 - (3) have completed more than 100 hours as a pilot on multi-pilot helicopters;
 - (4) have completed 40 hours of flight instruction in aeroplanes;
- (c) for pilots qualified to fly both aeroplanes and helicopters:
- (1) hold at least a CPL(H);
 - (2) hold an IR and ATPL theoretical knowledge or an ATPL in either aeroplanes or helicopters;
 - (3) hold a certificate of completion of an MCC course in either helicopters or aeroplanes;
 - (4) have completed at least 100 hours as a pilot on multi-pilot helicopters or aeroplanes;
 - (5) have completed 40 hours of flight instruction in aeroplanes or helicopters, as applicable, if the pilot has no experience as ATPL or on multi-pilot aircraft.

FCL.725 Flight instruction for the issue of type ratings — powered-lift aircraft

The flight instruction part of the training course for a powered-lift type rating shall be completed in both the aircraft and an FSTD representing the aircraft and adequately qualified for this purpose.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

FCL.740 ~~R~~ **Revalidation of type ratings — powered-lift aircraft**

- (a) Revalidation. For revalidation of powered-lift type ratings, the applicant shall:
- (1) pass a proficiency check in accordance with Appendix 9 to this Part in the relevant type of powered-lift within the 3 months immediately preceding the expiry date of the rating;
 - (2) complete during the period of validity of the rating, at least:
 - (i) 10 route sectors as pilot of the relevant type of powered-lift aircraft; or
 - (ii) 1 route sector as pilot of the relevant type of powered-lift aircraft or FFS, flown with an examiner. This route sector may be flown during the proficiency check.
 - (3) A pilot working for a commercial air transport operator approved in accordance with the applicable air operations requirements who has passed the operators proficiency check combined with the proficiency check for the revalidation of the type rating shall be exempted from complying with the requirement in (2).
- (b) An applicant who fails to achieve a pass in all sections of a proficiency check before the expiry date of a type rating shall not exercise the privileges of that rating until the a pass in the proficiency check has been achieved.

SECTION 5

Specific requirements for the airship category

FCL.720 ~~A~~ **Prerequisites for the issue of type ratings — airships**

Unless otherwise determined in the operational suitability data established in accordance with Part-21, an applicant for the first issue of an airship type rating shall comply with the following experience requirements and prerequisites:

- (a) for multi-pilot airships:
- (1) have completed 70 hours of flight time as PIC on airships;
 - (2) hold a certificate of satisfactory completion of MCC on airships.
 - (3) An applicant who does not comply with the requirement in (2) shall have the type rating issued with the privileges limited to exercising functions as co-pilot only. The limitation shall be removed once the pilot has completed 100 hours of flight time as PIC or pilot-in-command under supervision of airships.

FCL.735 ~~M~~ **Multi-crew cooperation training course — airships**

[^{F7}(a) The MCC training course shall comprise at least:

- (1) 12 hours of theoretical knowledge instruction and exercises; and
- (2) 5 hours of practical MCC training;

An FNPT II, or III qualified for MCC, an FTD 2/3 or an FFS shall be used.]

Status: Point in time view as at 31/01/2020.

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- (b) The MCC training course shall be completed within 6 months at an ATO.
- (c) Unless the MCC course has been combined with a multi-pilot type rating course, on completion of the MCC training course the applicant shall be given a certificate of completion.
- (d) An applicant having completed MCC training for any other category of aircraft shall be exempted from the requirements in (a).

FCL.740 Revalidation of type ratings — airships

- (a) Revalidation. For revalidation of type ratings for airships, the applicant shall:
 - (1) pass a proficiency check in accordance with Appendix 9 to this Part in the relevant type of airship within the 3 months immediately preceding the expiry date of the rating; and
 - (2) complete at least 2 hours as a pilot of the relevant airship type within the validity period of the rating. The duration of the proficiency check may be counted towards the 2 hours.
 - (3) The revalidation of an IR(As), if held, may be combined with a proficiency check for the revalidation of a class or type rating.
- (b) An applicant who fails to achieve a pass in all sections of a proficiency check before the expiry date of a type rating shall not exercise the privileges of that rating until a pass in the proficiency check has been achieved.

SUBPART ADDITIONAL RATINGS

I

FCL.800 Aerobatic rating

- (a) Holders of a pilot licence for aeroplanes, TMG or sailplanes shall only undertake aerobatic flights when they hold the appropriate rating.
- (b) Applicants for an aerobatic rating shall have completed:
 - (1) at least 40 hours of flight time or, in the case of sailplanes, 120 launches as PIC in the appropriate aircraft category, completed after the issue of the licence;
 - (2) [^{F8}a training course at a DTO or at an ATO, including:]
 - (i) theoretical knowledge instruction appropriate for the rating;
 - (ii) at least 5 hours or 20 flights of aerobatic instruction in the appropriate aircraft category.
- (c) The privileges of the aerobatic rating shall be limited to the aircraft category in which the flight instruction was completed. The privileges will be extended to another category of aircraft if the pilot holds a licence for that aircraft category and has successfully completed at least 3 dual training flights covering the full aerobatic training syllabus in that category of aircraft.

FCL.805 Sailplane towing and banner towing ratings

- (a) Holders of a pilot licence with privileges to fly aeroplanes or TMGs shall only tow sailplanes or banners when they hold the appropriate sailplane towing or banner towing rating.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (b) Applicants for a sailplane towing rating shall have completed:
- (1) at least 30 hours of flight time as PIC and 60 take-offs and landings in aeroplanes, if the activity is to be carried out in aeroplanes, or in TMGs, if the activity is to be carried out in TMGs, completed after the issue of the licence;
 - (2) [^{F8}a training course at a DTO or at an ATO, including:]
 - (i) theoretical knowledge instruction on towing operations and procedures;
 - (ii) at least 10 instruction flights towing a sailplane, including at least 5 dual instruction flights; and
 - (iii) except for holders of an LAPL(S) or an SPL, 5 familiarisation flights in a sailplane which is launched by an aircraft.
- (c) Applicants for a banner towing rating shall have completed:
- (1) at least 100 hours of flight time and 200 take-offs and landings as PIC on aeroplanes or TMG, after the issue of the licence. At least 30 of these hours shall be in aeroplanes, if the activity is to be carried out in aeroplanes, or in TMG, if the activity is to be carried out in TMGs;
 - (2) [^{F8}a training course at a DTO or at an ATO, including:]
 - (i) theoretical knowledge instruction on towing operations and procedures;
 - (ii) at least 10 instruction flights towing a banner, including at least 5 dual flights.
- [^{F6}(d) The privileges of the sailplane and banner towing ratings shall be limited to aeroplanes or TMGs appropriately to aircraft on which the flight instruction was completed. For banner towing, the privileges shall be limited to the towing method used for flight instruction. The privileges shall be extended if pilots have successfully completed at least three dual training flights covering the full towing training syllabus in either aircraft and towing method for banner towing.]
- (e) In order to exercise the privileges of the sailplane or banner towing ratings, the holder of the rating shall have completed a minimum of 5 tows during the last 24 months.
- (f) When the pilot does not comply with the requirement in (e), before resuming the exercise of his/her privileges, the pilot shall complete the missing tows with or under the supervision of an instructor.

FCL.810 Night rating

- (a) Aeroplanes, TMGs, airships.
- (1) [^{F6}Applicants shall have completed a training course within a period of up to 6 months at a DTO or at an ATO to exercise the privileges of an LAPL, an SPL or a PPL for aeroplanes, TMGs or airships in VFR conditions at night. The course shall comprise:]
 - (i) theoretical knowledge instruction;
 - (ii) [^{F7}at least 5 hours of flight time in the appropriate aircraft category at night, including at least 3 hours of dual instruction, including at least 1 hour of cross-country navigation with at least one dual cross-country flight of at least 50 km (27 NM) and 5 solo take-offs and 5 solo full-stop landings.]

Status: Point in time view as at 31/01/2020.

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- (2) Before completing the training at night, LAPL holders shall have completed the basic instrument flight training required for the issue of the PPL.
- (3) When applicants hold both a single-engine piston aeroplane (land) and a TMG class rating, they may complete the requirements in (1) above in either class or both classes.
 - (b) Helicopters. If the privileges of a PPL for helicopters are to be exercised in VFR conditions at night, the applicant shall have:
 - (1) completed at least 100 hours of flight time as pilot in helicopters after the issue of the licence, including at least 60 hours as PIC on helicopters and 20 hours of cross-country flight;
 - (2) [F⁸completed a training course at a DTO or at an ATO. The course shall be completed within a period of six months and comprise:]
 - (i) 5 hours of theoretical knowledge instruction;
 - (ii) 10 hours of helicopter dual instrument instruction time; and
 - (iii) 5 hours of flight time at night, including at least 3 hours of dual instruction, including at least 1 hour of cross-country navigation and 5 solo night circuits. Each circuit shall include a take-off and a landing.
 - (3) An applicant who holds or has held an IR in an aeroplane or TMG, shall be credited with 5 hours towards the requirement in (2)(ii) above.
 - (c) Balloons. If the privileges of an LAPL for balloons or a BPL are to be exercised in VFR conditions at night, applicants shall complete at least 2 instruction flights at night of at least 1 hour each.

FCL.815 Mountain rating

- (a) Privileges. The privileges of the holder of a mountain rating are to conduct flights with aeroplanes or TMG to and from surfaces designated as requiring such a rating by the appropriate authorities designated by the Member States.

The initial mountain rating may be obtained either on:

- (1) wheels, to grant the privilege to fly to and from such surfaces when they are not covered by snow; or
- (2) skis, to grant the privilege to fly to and from such surfaces when they are covered by snow.
- (3) The privileges of the initial rating may be extended to either wheel or ski privileges when the pilot has undertaken an appropriate additional familiarisation course, including theoretical knowledge instruction and flight training, with a mountain flight instructor.
- [F⁸(b) Training course. Applicants for a mountain rating shall have completed, within a period of 24 months, a course of theoretical knowledge instruction and flight training at a DTO or at an ATO. The content of the course shall be appropriate to the privileges of the mountain rating applied for.]
 - (c) Skill test. After the completion of the training, the applicant shall pass a skill test with an FE qualified for this purpose. The skill test shall contain:
 - (1) a verbal examination of theoretical knowledge;

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- (2) 6 landings on at least 2 different surfaces designated as requiring a mountain rating other than the surface of departure.
- (d) Validity. A mountain rating shall be valid for a period of 24 months.
- [^{F6}(e) Revalidation

To revalidate a mountain rating applicants shall either:

- (1) complete at least six landings, on a surface designated as requiring a mountain rating, in the preceding two 2 years;
- (2) pass a proficiency check complying with the requirements in point (c).]
- (f) Renewal. If the rating has lapsed, the applicant shall comply with the requirement in (e)(2).

FCL.820 Flight test rating

- (a) Holders of a pilot licence for aeroplanes or helicopters shall only act as PIC in category 1 or 2 flight tests, as defined in Part-21, when they hold a flight test rating.
- (b) The obligation to hold a flight test rating established in (a) shall only apply to flight tests conducted on:
 - (1) helicopters certificated or to be certificated in accordance with the standards of CS-27 or CS-29 or equivalent airworthiness codes; or
 - (2) aeroplanes certificated or to be certificated in accordance with:
 - (i) the standards of CS-25 or equivalent airworthiness codes; or
 - (ii) the standards of CS-23 or equivalent airworthiness codes, except for aeroplanes with an maximum take-off mass of less than 2 000 kg.
- (c) The privileges of the holder of a flight test rating are to, within the relevant aircraft category:
 - (1) in the case of a category 1 flight test rating, conduct all categories of flight tests, as defined in Part-21, either as PIC or co-pilot;
 - (2) in the case of a category 2 flight test rating:
 - (i) conduct category 1 flight tests, as defined in Part-21:
 - as a co-pilot, or
 - as PIC, in the case of aeroplanes referred to in (b)(2)(ii), except for those within the commuter category or having a design diving speed above 0,6 mach or a maximum ceiling above 25 000 feet;
 - (ii) conduct all other categories of flight tests, as defined in Part-21, either as PIC or co-pilot;
- (3) [^{F13}conduct flights without a type or class rating as defined in Subpart H, except that the flight test rating shall not be used for commercial air transport operations.]
- (d) Applicants for the first issue of a flight test rating shall:
 - (1) hold at least a CPL and an IR in the appropriate aircraft category;

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- (2) have completed at least 1 000 hours of flight time in the appropriate aircraft category, of which at least 400 hours as PIC;
- (3) have completed a training course at an ATO appropriate to the intended aircraft and category of flights. The training shall cover at least the following subjects:
 - Performance,
 - Stability and control/Handling qualities,
 - Systems,
 - Test management,
 - Risk/Safety management.
- (e) The privileges of holders of a flight test rating may be extended to another category of flight test and another category of aircraft when they have completed an additional course of training at an ATO.

[^{F9}FCL.825] En route instrument rating (EIR)

- (a) Privileges and conditions
 - (1) The privileges of the holder of an en route instrument rating (EIR) are to conduct flights by day under IFR in the en route phase of flight, with an aeroplane for which a class or type rating is held. The privilege may be extended to conduct flights by night under IFR in the en route phase of flight if the pilot holds a night rating in accordance with FCL.810.
 - (2) The holder of the EIR shall only commence or continue a flight on which he/she intends to exercise the privileges of his/her rating if the latest available meteorological information indicates that:
 - (i) the weather conditions on departure are such as to enable the segment of the flight from take-off to a planned VFR-to-IFR transition to be conducted in compliance with VFR; and
 - (ii) at the estimated time of arrival at the planned destination aerodrome, the weather conditions will be such as to enable the segment of the flight from an IFR-to-VFR transition to landing to be conducted in compliance with VFR.
- (b) Prerequisites. Applicants for the EIR shall hold at least a PPL(A) and shall have completed at least 20 hours of cross-country flight time as PIC in aeroplanes.
- (c) Training course. Applicants for an EIR shall have completed, within a period of 36 months at an ATO:
 - (1) at least 80 hours of theoretical knowledge instruction in accordance with FCL.615; and
 - (2) instrument flight instruction, during which:
 - (i) the flying training for a single-engine EIR shall include at least 15 hours of instrument flight time under instruction; and
 - (ii) the flying training for a multi-engine EIR shall include at least 16 hours of instrument flight time under instruction, of which at least 4 hours shall be in multi-engine aeroplanes.

Status: Point in time view as at 31/01/2020.

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- (d) Theoretical knowledge. Prior to taking the skill test, the applicant shall demonstrate a level of theoretical knowledge appropriate to the privileges granted, in the subjects referred to in FCL.615(b).
- (e) Skill test. After the completion of the training, the applicant shall pass a skill test in an aeroplane with an IRE. For a multi-engine EIR, the skill test shall be taken in a multi-engine aeroplane. For a single-engine EIR, the test shall be taken in a single-engine aeroplane.
- (f) By way of derogation from points (c) and (d), the holder of a single-engine EIR who also holds a multi-engine class or type rating wishing to obtain a multi-engine EIR for the first time, shall complete a course at an ATO comprising at least 2 hours instrument flight time under instruction in the en route phase of flight in multi-engine aeroplanes and shall pass the skill test referred to in point (e).
- (g) Validity, revalidation, and renewal.
- (1) An EIR shall be valid for 1 year.
 - (2) Applicants for the revalidation of an EIR shall:
 - (i) pass a proficiency check in an aeroplane within a period of 3 months immediately preceding the expiry date of the rating; or
 - (ii) within 12 months preceding the expiry date of the rating, complete 6 hours as PIC under IFR and a training flight of at least 1 hour with an instructor holding privileges to provide training for the IR(A) or EIR.
 - (3) For each alternate subsequent revalidation, the holder of the EIR shall pass a proficiency check in accordance with point (g)(2)(i).
 - (4) If an EIR has expired, in order to renew their privileges applicants shall:
 - (i) complete refresher training provided by an instructor holding privileges to provide training for the IR(A) or EIR to reach the level of proficiency needed; and
 - (ii) complete a proficiency check.
 - (5) If the EIR has not been revalidated or renewed within 7 years from the last validity date, the holder will also be required to pass again the EIR theoretical knowledge examinations in accordance with FCL.615(b).
 - (6) [F¹¹For a multi-engine EIR, the proficiency check for the revalidation or renewal, and the training flight required in point (g)(2)(ii) have to be completed in a multi-engine aeroplane. If the pilot also holds a single-engine EIR, this proficiency check shall also achieve revalidation or renewal of the single-engine EIR. The training flight completed in a multi-engine aeroplane shall also fulfil the training flight requirement for the single-engine EIR.]
- (h) When the applicant for the EIR has completed instrument flight time under instruction with an IRI(A) or an FI(A) holding the privilege to provide training for the IR or EIR, these hours may be credited towards the hours required in point (c)(2)(i) and (ii) up to a maximum of 5 or 6 hours respectively. The 4 hours of instrument flight instruction in multi-engine aeroplanes required in point (c)(2)(ii) shall not be subject to this credit.

Status: Point in time view as at 31/01/2020.

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- (1) To determine the amount of hours to be credited and to establish the training needs, the applicant shall complete a pre-entry assessment at the ATO.
 - (2) The completion of the instrument flight instruction provided by an IRI(A) or FI(A) shall be documented in a specific training record and signed by the instructor.
- (i) Applicants for the EIR, holding a Part-FCL PPL or CPL and a valid IR(A) issued in accordance with the requirements of Annex 1 to the Chicago Convention by a third country, may be credited in full towards the training course requirements mentioned in point (c). In order to be issued the EIR, the applicant shall:
- (1) successfully complete the skill test for the EIR;
 - (2) by way of derogation from point (d), demonstrate during the skill test towards the examiner that he/she has acquired an adequate level of theoretical knowledge of air law, meteorology and flight planning and performance (IR);
 - (3) have a minimum experience of at least 25 hours of flight time under IFR as PIC on aeroplanes.

FCL.830 Sailplane Cloud Flying Rating

- (a) Holders of a pilot licence with privileges to fly sailplanes shall only operate a sailplane or a powered sailplane, excluding TMG, within cloud when they hold a sailplane cloud flying rating.
- (b) Applicants for a sailplane cloud flying rating shall have completed at least:
 - (1) 30 hours as PIC in sailplanes or powered sailplanes after the issue of the licence;
 - (2) [F8 a training course at a DTO or at an ATO, including:]
 - (i) theoretical knowledge instruction; and
 - (ii) at least 2 hours of dual flight instruction in sailplanes or powered sailplanes, controlling the sailplane solely by reference to instruments, of which a maximum of one hour may be completed on TMGs; and
 - (3) a skill test with an FE qualified for this purpose.
- (c) Holders of an EIR or an IR(A) shall be credited against the requirement of (b)(2)(i). By way of derogation from point (b)(2)(ii), at least one hour of dual flight instruction in a sailplane or powered sailplane, excluding TMG, controlling the sailplane solely by reference to instruments shall be completed.
- (d) Holders of a cloud flying rating shall only exercise their privileges when they have completed in the last 24 months at least 1 hour of flight time, or 5 flights as PIC exercising the privileges of the cloud flying rating, in sailplanes or powered sailplanes, excluding TMGs.
- (e) Holders of a cloud flying rating who do not comply with the requirements in point (d) shall, before they resume the exercise of their privileges:
 - (1) undertake a proficiency check with an FE qualified for this purpose; or

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- (2) perform the additional flight time or flights required in point (d) with a qualified instructor.
- (f) Holders of a valid EIR or an IR(A) shall be credited in full against the requirements in point (d).]

SUBPART **INSTRUCTORS**

J

SECTION 1

Common requirements

FCL.900 Instructor certificates

- (a) General. A person shall only carry out:
 - (1) flight instruction in aircraft when he/she holds:
 - (i) a pilot licence issued or accepted in accordance with this Regulation;
 - (ii) an instructor certificate appropriate to the instruction given, issued in accordance with this Subpart;
 - (2) synthetic flight instruction or MCC instruction when he/she holds an instructor certificate appropriate to the instruction given, issued in accordance with this Subpart.
- (b) Special conditions:
 - (1) ^[F1]The competent authority may issue a specific certificate granting privileges for flight instruction when compliance with the requirements established in this Subpart is not possible in the case of the introduction of:
 - (i) new aircraft in the Member States or in an operator's fleet; or
 - (ii) new training courses in this Annex (Part-FCL).

Such a certificate shall be limited to the training flights necessary for the introduction of the new type of aircraft or the new training course and its validity shall not, in any case, exceed 1 year.]

- (2) Holders of a certificate issued in accordance with (b)(1) who wish to apply for the issue of an instructor certificate shall comply with the prerequisites and revalidation requirements established for that category of instructor. Notwithstanding FCL.905.TRI(b), a TRI certificate issued in accordance with this (sub)paragraph will include the privilege to instruct for the issue of a TRI or SFI certificate for the relevant type.

^[F6](c) Instruction provided outside the territory of the Member States:

- (1) By way of derogation from point (a), in the case of flight instruction provided during a training course approved in accordance with this Annex outside the territory for which Member States are responsible under the Chicago Convention, the competent authority shall issue an instructor certificate to applicants who:
 - (i) holds a pilot licence that meets all of the following criteria:

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- (A) it complies with Annex 1 to the Chicago Convention;
 - (B) in any case, it is at least a CPL in the relevant aircraft category with a relevant rating or certificate;
 - (ii) complies with the requirements established in this Subpart for the issue of the relevant instructor certificate;
 - (iii) demonstrates to the competent authority an adequate level of knowledge of European aviation safety rules to be able to exercise instructional privileges in accordance with this Annex.
- (2) The certificate shall be limited to providing flight instruction during a training course approved in accordance with this Annex which meets all of the following conditions:
- (i) it is provided outside the territory for which Member States are responsible under the Chicago Convention;
 - (ii) it is provided to student pilots who have sufficient knowledge of the language in which flight instruction is provided.]

[^{F1}FCL.905] General prerequisites and requirements for instructors

(a) General

Applicants for the issue of an instructor certificate shall be at least 18 years of age.

(b) Additional requirements for instructors providing flight instruction in aircraft

Applicants for the issue of or holders of an instructor certificate with privileges to conduct flight instruction in an aircraft shall:

- (1) for licence training, hold at least the licence or, in the case of point FCL.900(c), the equivalent licence, for which flight instruction is to be given;
- (2) for a rating training, hold the relevant rating or, in the case of point FCL.900(c), the equivalent rating, for which flight instruction is to be given;
- (3) except in the case of flight test instructors (FTIs), have:
 - (i) completed at least 15 hours of flight time as pilots of the class or type of aircraft on which flight instruction is to be given, of which a maximum of 7 hours may be in an FSTD representing the class or type of aircraft, if applicable; or
 - (ii) passed an assessment of competence for the relevant category of instructor on that class or type of aircraft; and
- (4) be entitled to act as PIC in the aircraft during such flight instruction.
- (c) Credit towards further ratings and for the purpose of revalidation
 - (1) Applicants for further instructor certificates may be credited with the teaching and learning skills already demonstrated for the instructor certificate held.
 - (2) Hours flown as an examiner during skill tests or proficiency checks shall be credited in full towards revalidation requirements for all instructor certificates held.

Status: Point in time view as at 31/01/2020.

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- (d) Credit for extension to further types shall take into account the relevant elements as defined in the operational suitability data established in accordance with Annex I (Part-21) to Regulation (EU) No 748/2012 (OSD).
- (e) Additional requirements for instructing in a training course in accordance with FCL.745.A:
- (1) In addition to (b), before acting as instructors for a training course according to FCL.745.A, holders of an instructor certificate shall:
- (i) have at least 500 hours of flight time as pilots of aeroplanes, including 200 hours of flight instruction;
 - (ii) after complying with the experience requirements in point (e)(1)(i), have completed a UPRT instructor training course at an ATO, during which the competence of applicants shall have been assessed continuously; and
 - (iii) upon completion of the course, have been issued with a certificate of course completion by the ATO, whose Head of Training (HT) shall have entered the privileges specified in point (e)(1) in the logbook of the applicants.
- (2) The privileges referred to in point (e)(1) shall only be exercised if instructors have, during the last year, received refresher training at an ATO during which the competence required to instruct on a course in accordance with point FCL.745.A is assessed to the satisfaction of the HT.
- (3) Instructors holding the privileges specified in point (e)(1) may act as instructors for a course as specified in point (e)(1)(ii), provided that they:
- (i) have 25 hours of flight instruction experience during training according to FCL745.A;
 - (ii) have completed an assessment of competence for this privilege; and
 - (iii) comply with the recency requirements in point (e)(2).
- (4) These privileges shall be entered in the logbook of the instructors and signed by the examiner.]

FCL.920 Instructor competencies and assessment

All instructors shall be trained to achieve the following competences:

- Prepare resources,
- Create a climate conducive to learning,
- Present knowledge,
- Integrate Threat and Error Management (TEM) and crew resource management,
- Manage time to achieve training objectives,
- Facilitate learning,
- Assess trainee performance,
- Monitor and review progress,
- Evaluate training sessions,
- Report outcome.

FCL.925 Additional requirements for instructors for the MPL

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (a) Instructors conducting training for the MPL shall:
 - (1) have successfully completed an MPL instructor training course at an ATO; and
 - (2) additionally, for the basic, intermediate and advanced phases of the MPL integrated training course:
 - (i) be experienced in multi-pilot operations; and
 - (ii) have completed initial crew resource management training with a commercial air transport operator approved in accordance with the applicable air operations requirements.
- (b) MPL instructors training course
 - (1) The MPL instructor training course shall comprise at least 14 hours of training.

Upon completion of the training course, the applicant shall undertake an assessment of instructor competencies and of knowledge of the competency-based approach to training.

- (2) The assessment shall consist of a practical demonstration of flight instruction in the appropriate phase of the MPL training course. This assessment shall be conducted by an examiner qualified in accordance with Subpart K.
- (3) Upon successful completion of the MPL training course, the ATO shall issue an MPL instructor qualification certificate to the applicant.
- (c) In order to maintain the privileges, the instructor shall have, within the preceding 12 months, conducted within an MPL training course:
 - (1) 1 simulator session of at least 3 hours; or
 - (2) 1 air exercise of at least 1 hour comprising at least 2 take-offs and landings.
- (d) If the instructor has not fulfilled the requirements of (c), before exercising the privileges to conduct flight instruction for the MPL he/she shall:
 - (1) receive refresher training at an ATO to reach the level of competence necessary to pass the assessment of instructor competencies; and
 - (2) pass the assessment of instructor competencies as set out in (b)(2).

[^{F8}FCL.930] Training course

- (a) An applicant for an instructor certificate shall have completed a course of theoretical knowledge and flight instruction at an ATO. An applicant for an instructor certificate for sailplanes or balloons may have completed a course of theoretical knowledge and flight instruction at a DTO.
- (b) In addition to the specific elements set out in this Annex (Part-FCL) for each category of instructor, the training course shall contain the elements required in point FCL.920.]

FCL.935 Assessment of competence

- [^{F6}(a) Except for the multi-crew cooperation instructor (MCCI), the synthetic training instructor (STI), the mountain rating instructor (MI) and the flight test instructor (FTI), an applicant for an instructor certificate shall pass an assessment of competence in the appropriate aircraft category, in the relevant class or type or in the appropriate FSTD, to demonstrate to an examiner qualified in accordance with Subpart K of this Annex

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the ability to instruct a student pilot to the level required for the issue of the relevant licence, rating or certificate.]

- (b) This assessment shall include:
- (1) the demonstration of the competencies described in FCL.920, during pre-flight, post-flight and theoretical knowledge instruction;
 - (2) oral theoretical examinations on the ground, pre-flight and post-flight briefings and in-flight demonstrations in the appropriate aircraft class, type or FSTD;
 - (3) exercises adequate to evaluate the instructor's competencies.
- (c) The assessment shall be performed on the same class or type of aircraft or FSTD used for the flight instruction.
- (d) When an assessment of competence is required for revalidation of an instructor certificate, an applicant who fails to achieve a pass in the assessment before the expiry date of an instructor certificate shall not exercise the privileges of that certificate until the assessment has successfully been completed.

[^{F6}FCL.940] **Validity of instructor certificates**

With the exception of the MI, and without prejudice to points FCL.900 (b)(1) and FCL.915 (e) (2), instructor certificates shall be valid for a period of 3 years.]

[^{F12}FCL.950] **Obligations for instructors**

Upon completion of the training flight for the revalidation of an SEP or TMG class rating in accordance with FCL.740.A (b)(1) and only in the event of fulfilment of all the other revalidation criteria required by FCL.740.A (b)(1) the instructor shall endorse the applicant's licence with the new expiry date of the rating or certificate, if specifically authorised for that purpose by the competent authority responsible for the applicant's licence.]

SECTION 2

Specific requirements for the flight instructor — FI

[^{F6}FCL.960] **Privileges and conditions**

The privileges of FIs are to conduct flight instruction for the issue, revalidation or renewal of:

- (a) a PPL, an SPL, a BPL and a LAPL in the appropriate aircraft category;
- (b) class and type ratings for single-pilot aircraft, except for single-pilot high-performance complex aeroplanes; class and group extensions for balloons and class recencies for sailplanes;
- (c) class and type ratings for single-pilot aeroplanes, except for single-pilot high-performance complex aeroplanes, in multi-pilot operations, provided that FIs meet any of the following conditions:
 - (1) hold or have held a TRI certificate for multi-pilot aeroplanes;
 - (2) have completed all of the following:
 - (i) at least 500 hours as pilots in multi-pilot operations on aeroplanes;

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- (ii) the training course for an MCCI in accordance with point FCL.930.MCCI;
- (d) type ratings for single or multi-pilot airships;
- (e) a CPL in the appropriate aircraft category, provided that FIs have completed at least 200 hours of flight instruction in that aircraft category;
- (f) the night rating, provided that FIs meet all of the following conditions:
 - (1) are qualified to fly at night in the appropriate aircraft category;
 - (2) have demonstrated the ability to instruct at night to an FI qualified in accordance with point (j);
 - (3) comply with the night experience requirement laid down in point FCL.060(b)(2);
- (g) a towing, aerobatic or, in the case of FIs(S), a cloud flying rating, provided that such privileges are held and the FIs have demonstrated the ability to instruct for that rating to an FI qualified in accordance with point (j);
- (h) an EIR or IR in the appropriate aircraft category, provided that FIs meet all of the following conditions:
 - (1) have completed at least 200 hours of flight time under IFR, of which a maximum of 50 hours may be instrument ground time in an FFS, an FTD 2/3 or an FNPT II;
 - (2) completed as student pilots the IRI training course and have passed an assessment of competence for the IRI certificate;
 - (3) comply with points FCL.915.CRI(a), FCL.930.CRI and FCL.935 in the case of multi-engine aeroplanes and with points FCL.910.TRI(c)(1) and FCL.915.TRI(d)(2) in the case of multi-engine helicopters;
- (i) single-pilot multi-engine class or type ratings, except for single-pilot high-performance complex aeroplanes, provided that they meet the following conditions:
 - (1) in the case of aeroplanes, comply with points FCL.915.CRI(a), FCL.930.CRI and FCL.935;
 - (2) in the case of helicopters, comply with points FCL.910.TRI(c)(1) and FCL.915.TRI(d)(2);
- (j) an FI, an IRI, a CRI, an STI or an MI certificate provided that they meet all of the following conditions:
 - (1) they have completed at least 50 hours or 150 launches of flight instruction in sailplanes in the case of FI(S), at least 50 hours or 50 take-offs of flight instruction in balloons in the case of FI(B) and 500 hours of flight instruction in the appropriate aircraft category in all other cases;
 - (2) they have passed an assessment of competence in accordance with point FCL.935 in the appropriate aircraft category to demonstrate to a flight instructor examiner (FIE) the ability to instruct for the relevant certificate;
- (k) an MPL, provided that the FIs meet all of the following conditions:

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- (1) for the core flying phase of the training, have completed at least 500 hours of flight time as a pilot of aeroplanes, including at least 200 hours of flight instruction;
- (2) for the basic phase of the training:
 - (i) hold a multi-engine aeroplane IR and the privilege to instruct for an IR;
 - (ii) have completed at least 1 500 hours of flight time in multi-crew operations;
- (3) in the case of FIs already qualified to instruct on ATP(A) or CPL(A)/IR integrated courses, the requirement in point (2)(ii) may be replaced by the completion of a structured course of training consisting of:
 - (i) MCC qualification;
 - (ii) observation of five sessions of flight instruction in Phase 3 of an MPL course;
 - (iii) observation of five sessions of flight instruction in Phase 4 of an MPL course;
 - (iv) observation of five operator recurrent line-oriented flight training sessions;
 - (v) the content of the MCCI course.

In this case, FIs shall conduct their first five instructor sessions under the supervision of a TRI(A), an MCCI(A) or an SFI(A) qualified for MPL flight instruction.]

FCL.910.FI — Restricted privileges

- [^{F8}(a) An FI shall have his or her privileges limited to conducting flight instruction under the supervision of an FI for the same category of aircraft nominated by the DTO or the ATO for this purpose, in the following cases:]
- (1) for the issue of the PPL, SPL, BPL and LAPL;
 - (2) in all integrated courses at PPL level, in case of aeroplanes and helicopters;
 - (3) [^{F7}for class and type ratings for single-pilot, single-engine aircraft, except for single-pilot high performance complex aeroplanes, class and group extensions in the case of balloons and class extensions in the case of sailplanes;]
 - (4) for the night, towing or aerobatic ratings.
 - (b) While conducting training under supervision, in accordance with (a), the FI shall not have the privilege to authorise student pilots to conduct first solo flights and first solo cross-country flights.
 - (c) The limitations in (a) and (b) shall be removed from the FI certificate when the FI has completed at least:
 - (1) for the FI(A), 100 hours of flight instruction in aeroplanes or TMGs and, in addition has supervised at least 25 student solo flights;

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- (2) for the FI(H) 100 hours of flight instruction in helicopters and, in addition has supervised at least 25 student solo flight air exercises;
- (3) for the FI(As), FI(S) and FI(B), 15 hours or 50 take-offs of flight instruction covering the full training syllabus for the issue of a PPL(As), SPL or BPL in the appropriate aircraft category.

FCL.915.FI — Prerequisites

An applicant for an FI certificate shall:

- (a) in the case of the FI(A) and FI(H):
 - (1) have received at least 10 hours of instrument flight instruction on the appropriate aircraft category, of which not more than 5 hours may be instrument ground time in an FSTD;
 - (2) have completed 20 hours of VFR cross-country flight on the appropriate aircraft category as PIC; and
- (b) additionally, for the FI(A):
 - (1) hold at least a CPL(A); or
 - (2) hold at least a PPL(A) and have:
 - (i) ^[F6]except for an FI(A) providing training for the LAPL(A) only, passed the CPL theoretical knowledge examination, which may be taken without completing a CPL theoretical knowledge training course and which shall not be valid for the issue of a CPL; and]
 - (ii) completed at least 200 hours of flight time on aeroplanes or TMGs, of which 150 hours as PIC;
 - (3) have completed at least 30 hours on single-engine piston powered aeroplanes of which at least 5 hours shall have been completed during the 6 months preceding the pre-entry flight test set out in FCL.930.FI(a);
 - (4) have completed a VFR cross-country flight as PIC, including a flight of at least 540 km (300 NM) in the course of which full stop landings at 2 different aerodromes shall be made;
- (c) additionally, for the FI(H), have completed 250 hours total flight time as pilot on helicopters of which:
 - (1) at least 100 hours shall be as PIC, if the applicant holds at least a CPL(H); or
 - (2) ^[F6]at least 200 hours as PIC if the applicant holds at least a PPL(H) and has passed the CPL theoretical knowledge examination, which may be taken without completing a CPL theoretical knowledge training course and which shall not be valid for the issue of a CPL;]
- (d) for an FI(As), have completed 500 hours of flight time on airships as PIC, of which 400 hours shall be as PIC holding a CPL(As);
- (e) ^[F7]for an FI(S), have completed 100 hours of flight time and 200 launches as PIC on sailplanes. Additionally, where the applicant wishes to give flight instruction on TMGs, he/she shall have completed 30 hours of flight time as PIC on TMGs and an

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additional assessment of competence on a TMG in accordance with FCL.935 with an FI qualified in accordance with FCL.905.FI(i);]

- (f) for an FI(B), have completed 75 hours of balloon flight time as PIC, of which at least 15 hours have to be in the class for which flight instruction will be given.

FCL.930.FI — Training course

- (a) Applicants for the FI certificate shall have passed a specific pre-entry flight test with an FI qualified in accordance with FCL.905.FI(i) within the 6 months preceding the start of the course, to assess their ability to undertake the course. This pre-entry flight test shall be based on the proficiency check for class and type ratings as set out in Appendix 9 to this Part.
- (b) The FI training course shall include:
- (1) 25 hours of teaching and learning;
- (2) (i) in the case of an FI(A), (H) and (As), at least 100 hours of theoretical knowledge instruction, including progress tests;
- (ii) in the case of an FI(B) or FI(S), at least 30 hours of theoretical knowledge instruction, including progress tests;
- (3) (i) in the case of an FI(A) and (H), at least 30 hours of flight instruction, of which 25 hours shall be dual flight instruction, of which 5 hours may be conducted in an FFS, an FNPT I or II or an FTD 2/3;
- (ii) in the case of an FI(As), at least 20 hours of flight instruction, of which 15 hours shall be dual flight instruction;
- (iii) in the case of an FI(S), at least 6 hours or 20 take-offs of flight instruction;
- (iv) in the case of an FI(S) providing training on TMGs, at least 6 hours of dual flight instruction on TMGs;
- (v) [^{F7}in the case of an FI(B), at least 3 hours of flight instruction, including 3 take-offs.]
- (4) [^{F7}When applying for an FI certificate in another category of aircraft, pilots holding or having held an FI(A), (H) or (As) shall be credited with 55 hours towards the requirement in point (b)(2)(i) or with 18 hours towards the requirements in point (b)(2)(ii).]
- [^{F4}(c) Applicants for the FI certificate who hold or have held any other instructor certificate issued in accordance with this Annex shall be deemed to meet the requirements in point (b)(1).]

[^{F6}FCL.940.FI] Revalidation and renewal

- (a) Revalidation
- (1) To revalidate an FI certificate, holders shall fulfil at least two out of the three following requirements before the expiry date of the FI certificate:
- (i) they have completed:
- (A) in the case of an FI(A) and an FI(H), at least 50 hours of flight instruction in the appropriate aircraft category as FIs, TRIs, CRIs,

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- IRIs, MIs or examiners. If the privileges to instruct for the IR are to be revalidated, at least 10 of those hours shall be flight instruction for an IR and shall have been completed in the period of 12 months immediately preceding the expiry date of the FI certificate;
- (B) in the case of an FI(As), at least 20 hours of flight instruction in airships as FIs, IRIs or as examiners. If the privileges to instruct for the IR are to be revalidated, 10 of those hours shall be flight instruction for an IR and shall have been completed in the period of 12 months immediately preceding the expiry date of the FI certificate;
- (C) in the case of an FI(S), at least 60 take-offs on or 30 hours of flight instruction in sailplanes, powered sailplanes or TMG as FIs or as examiners;
- (D) in the case of an FI(B), at least 6 hours of flight instruction in balloons as FIs or as examiners;
- (ii) they have completed instructor refresher training as an FI at an ATO or at the competent authority. FI(B)s and FI(S)s may complete this instructor refresher training at a DTO;
- (iii) they have passed an assessment of competence in accordance with point FCL.935 in the period of 12 months immediately preceding the expiry date of the FI certificate.
- (2) For at least each alternate revalidation in the case of FI(A) or FI(H), or each third revalidation, in the case of FI(As), FI(S) and FI(B), holders of the relevant FI certificate shall pass an assessment of competence in accordance with FCL.935.
- (b) Renewal.

If the FI certificate has expired, applicants shall, within a period of 12 months before the application date for the renewal complete instructor refresher training as an FI at an ATO or at a competent authority or in the case of an FI(B) or FI(S) at an ATO, at a DTO or at a competent authority and complete an assessment of competence in accordance with point FCL.935.]

SECTION 4

Specific requirements for the type rating instructor — TRI

FCL.905.TRI — Privileges and conditions

The privileges of a TRI are to instruct for:

- (a) [^{F7}the revalidation and renewal of an EIR or an IR, provided the TRI holds a valid IR;]
- (b) [^{F6}the issue of a TRI or SFI certificate, provided that the holder meets all of the following conditions:
- (1) it has at least 50 hours of instructional experience as a TRI or SFI in accordance with this Regulation or Commission Regulation (EU) No 965/2012;

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- (2) it has conducted the flight instruction syllabus of the relevant part of the TRI training course according to point FCL.930.TRI(a)(3) to the satisfaction of the head of training of an ATO; and
- (c) in the case of the TRI for single-pilot aeroplanes:
- (1) the issue, revalidation and renewal of type ratings for single-pilot high performance complex aeroplanes provided that the applicant seeks privileges to operate in single-pilot operations.
- The privileges of the TRI(SPA) may be extended to flight instruction for single-pilot high performance complex aeroplanes type ratings in multi-pilot operations, provided that the TRI meets any of the following conditions:
- (i) holds or has held a TRI certificate for multi-pilot aeroplanes;
- (ii) has at least 500 hours on aeroplanes in multi-pilot operations and completed an MCCI training course in accordance with point FCL.930.MCCI.
- (2) the MPL course on the basic phase, provided that he or she has the privileges extended to multi-pilot operations and holds or has held an FI(A) or an IRI(A) certificate;]
- (d) in the case of the TRI for multi-pilot aeroplanes:
- (1) the issue, revalidation and renewal of type ratings for:
- (i) multi-pilot aeroplanes;
- (ii) single-pilot high performance complex aeroplanes when the applicant seeks privileges to operate in multi-pilot operations;
- (2) MCC training;
- (3) the MPL course on the basic, intermediate and advanced phases, provided that, for the basic phase, they hold or have held an FI(A) or IRI(A) certificate;
- (e) in the case of the TRI for helicopters:
- (1) the issue, revalidation and renewal of helicopter type ratings;
- (2) MCC training, provided he/she holds a multi-pilot helicopter type rating;
- (3) the extension of the single-engine IR(H) to multi-engine IR(H);
- (f) in the case of the TRI for powered-lift aircraft:
- (1) the issue, revalidation and renewal of powered-lift type ratings;
- (2) MCC training.

[^{F6}FCL.910.TRI] Restricted privileges

- (a) General. If the TRI training is carried out in FSTDs only, the privileges of TRIs shall be restricted to training in FSTDs. This restriction shall however include the following privileges for conducting, in the aircraft:

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- (1) LIFUS, provided that the TRI training course has included the training specified in point FCL.930.TRI(a)(4)(i);
- (2) landing training, provided that the TRI training course has included the training specified in point FCL.930.TRI(a)(4)(ii); or
- (3) the training flight specified in point FCL.060(c)(2), provided that the TRI training course has included the training referred to in points (a)(1) or (a)(2).

The restriction to FSTD shall be removed if TRIs have completed an assessment of competence in the aircraft.

- (b) TRIs for aeroplanes and for powered-lift aircraft — TRI(A) and TRI(PL). The privileges of TRIs are restricted to the type of aeroplane or powered-lift aircraft in which the training and the assessment of competence were conducted. Unless otherwise determined in the OSD, to extend the privileges of TRIs to further types, TRIs shall have:
 - (1) completed within the 12 months preceding the application, at least 15 route sectors, including take-offs and landings on the applicable aircraft type, of which of maximum of 7 sectors may be completed in an FSTD;
 - (2) completed the relevant parts of the technical training and the flight instruction parts of the applicable TRI course;
 - (3) passed the relevant sections of the assessment of competence in accordance with point FCL.935 in order to demonstrate to an FIE or a TRE qualified in accordance with Subpart K to this Annex their ability to instruct a pilot to the level required for the issue of a type rating, including pre-flight, post-flight and theoretical knowledge instruction.

The privileges of TRIs shall be extended to further variants in accordance with the OSD if TRIs have completed the relevant parts of the technical training and flight instruction parts of the applicable TRI course.

- (c) TRIs for helicopters — TRI(H).
 - (1) The privileges of TRIs(H) are restricted to the type of helicopter in which the assessment of competence for the issue of the TRI certificate was taken. Unless otherwise determined in the OSD, the privileges of the TRIs shall be extended to further types if TRIs have:
 - (i) completed the relevant parts of the technical training and flight instruction parts of the TRI course;
 - (ii) completed within the 12 months preceding the date of application, at least 10 hours on the applicable helicopter type, of which a maximum of 5 hours may be completed in an FFS or FTD 2/3; and
 - (iii) passed the relevant sections of the assessment of competence in accordance with point FCL.935 in order to demonstrate to an FIE or a TRE qualified in accordance with Subpart K of this Annex their ability to instruct a pilot to the level required for the issue of a type rating, including pre-flight, post-flight and theoretical knowledge instruction.

The privileges of TRIs shall be extended to further variants in accordance with the OSD if TRIs have completed the relevant parts of the technical training and flight instruction parts of the applicable TRI course.

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- (2) Before the privileges of a TRI(H) are extended from single-pilot to multi-pilot privileges on the same type of helicopters, the holder shall have completed at least 100 hours of multi-pilot operations on this type.
- (d) Notwithstanding the points above, holders of a TRI certificate who received a type rating in accordance with point FCL.725(e) shall be entitled to have their TRI privileges extended to that new type of aircraft.]

FCL.915.TRI — Prerequisites

An applicant for a TRI certificate shall:

- (a) hold a CPL, MPL or ATPL pilot licence on the applicable aircraft category;
- (b) for a TRI(MPA) certificate:
 - (1) have completed 1 500 hours flight time as a pilot on multi-pilot aeroplanes; and
 - (2) have completed, within the 12 months preceding the date of application, 30 route sectors, including take-offs and landings, as PIC or co-pilot on the applicable aeroplane type, of which 15 sectors may be completed in an FFS representing that type;
- (c) [^{F6}for a TRI(SPA) certificate:
 - (1) have completed, within the 12 months preceding the date of the application, at least 30 route sectors, including take-offs and landings, as PIC on the applicable aeroplane type, of which a maximum of 15 sectors may be completed in an FSTD representing that type; and]
- (d) for TRI(H):
 - (1) for a TRI(H) certificate for single-pilot single-engine helicopters, have completed 250 hours as a pilot on helicopters;
 - (2) for a TRI(H) certificate for single-pilot multi-engine helicopters, have completed 500 hours as pilot of helicopters, including 100 hours as PIC on single-pilot multi-engine helicopters;
 - (3) for a TRI(H) certificate for multi-pilot helicopters, have completed 1 000 hours of flight time as a pilot on helicopters, including:
 - (i) 350 hours as a pilot on multi-pilot helicopters; or
 - (ii) for applicants already holding a TRI(H) certificate for single-pilot multi-engine helicopters, 100 hours as pilot of that type in multi-pilot operations.
 - (4) Holders of an FI(H) certificate shall be fully credited towards the requirements of (1) and (2) in the relevant single-pilot helicopter;
- (e) for TRI(PL):
 - (1) have completed 1 500 hours flight time as a pilot on multi-pilot aeroplanes, powered-lift, or multi-pilot helicopters; and
 - (2) have completed, within the 12 months preceding the application, 30 route sectors, including take-offs and landings, as PIC or co-pilot on the applicable

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powered-lift type, of which 15 sectors may be completed in an FFS representing that type.

FCL.930.~~TRI~~— Training course

- [^{F6}(a) The TRI training course shall be conducted in the aircraft only if no FSTD is available and accessible and shall include:]
- (1) 25 hours of teaching and learning;
 - (2) 10 hours of technical training, including revision of technical knowledge, the preparation of lesson plans and the development of classroom/simulator instructional skills;
 - (3) [^{F65} hours of flight instruction on the appropriate aircraft or an FSTD representing that aircraft for single-pilot aircraft and 10 hours for multi-pilot aircraft or an FSTD representing that aircraft;]
 - (4) [^{F4}the following training, as applicable:
 - (i) additional specific training before conducting LIFUS;
 - (ii) additional specific training before conducting landing training. That training in the FSTD shall include training for emergency procedures related to the aircraft.]
 - (b) Applicants holding or having held an instructor certificate shall be fully credited towards the requirement of (a)(1).
 - (c) An applicant for a TRI certificate who holds an SFI certificate for the relevant type shall be fully credited towards the requirements of this paragraph for the issue of a TRI certificate restricted to flight instruction in simulators.

[^{F6}FCL.935.~~TRI~~ Assessment of competence

- (a) The assessment of competence for a TRI for MPA and PL shall be conducted in an FFS. If no FFS is available or accessible, an aircraft shall be used.
- (b) The assessment of competence for a TRI for single-pilot high-performance complex aeroplanes and helicopters shall be conducted in any of the following:
 - (1) an available and accessible FFS;
 - (2) if no FFS is available or accessible, in a combination of FSTD(s) and an aircraft;
 - (3) if no FSTD is available or accessible, in an aircraft.]

[^{F6}FCL.940.~~TRI~~ Revalidation and renewal

- (a) Revalidation
 - (1) Aeroplanes

To revalidate a TRI(A) certificate, applicants shall, within the 12 months immediately preceding the expiry date of the certificate fulfil at least two out of the three following requirements:

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- (i) conduct one of the following parts of a complete type rating or recurrent training course: simulator session of at least 3 hours or one air exercise of at least 1 hour comprising a minimum of two take-offs and landings;
- (ii) complete instructor refresher training as a TRI(A) at an ATO;
- (iii) pass the assessment of competence in accordance with point FCL.935. Applicants who have complied with point FCL.910.TRI(b)(3) shall be deemed to comply with this requirement.

(2) Helicopters and powered lift

To revalidate a TRI (H) or TRI(PL) certificate, applicants shall, within the validity period of the TRI certificate fulfil at least two out of the three following requirements:

- (i) completed at least 50 hours of flight instruction in each of the types of aircraft for which instructional privileges are held or in an FSTD representing those types, of which at least 15 hours shall be completed in the period of 12 months immediately preceding the expiry date of the TRI certificate. In the case of a TRI(PL), those hours shall be completed as a TRI or a type rating examiner (TRE), or as an SFI or a synthetic flight examiner (SFE). In the case of a TRI(H), the time flown as FIs, instrument rating instructors (IRIs), synthetic training instructors (STIs) or as any kind of examiners shall be accounted for this purpose;
- (ii) complete instructor refresher training as a TRI(H) or TRI(PL), as relevant, at an ATO;
- (iii) in the period of 12 months immediately preceding the expiry date of the certificate, passed an assessment of competence in accordance with points FCL.935, FCL.910.TRI(b)(3) or FCL.910.TRI(c)(3), as applicable.

(3) For at least each alternate revalidation of a TRI certificate, holders shall pass the assessment of competence in accordance with point FCL.935.

(4) If TRIs hold a certificate for more than one type of aircraft within the same category, the assessment of competence taken on one of those types of aircraft shall revalidate the TRI certificate for the other types held within the same category of aircraft, unless it is otherwise determined in the OSD.

(5) Specific requirements for the revalidation of a TRI(H) certificate

TRIs(H) holding an FI(H) certificate in the relevant type shall be deemed to comply with the requirements in point (a). In that case, the TRI(H) certificate shall be valid until the expiry date of the FI(H) certificate.

(b) Renewal

To renew a TRI certificate, applicants shall, within the 12 months immediately preceding the date of the application, have passed the assessment of competence in accordance with point FCL.935 and shall have completed the following:

(1) for aeroplanes:

- (i) at least 30 route sectors, including take-offs and landings on the applicable aeroplane type, of which maximum 15 sectors may be completed in an FFS;

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (ii) instructor refresher training as a TRI at an ATO which shall cover the relevant elements of the TRI training course;
- (2) for helicopters and powered lift:
 - (i) at least 10 hours of flight time, including take-offs and landings on the applicable aircraft type, of which maximum 5 hours may be completed in an FFS or FTD 2/3;
 - (ii) instructor refresher training as a TRI at an ATO, which shall cover the relevant elements of the TRI training course.
- (3) If applicants held a certificate for more than one type of aircraft within the same category, the assessment of competence taken on one of those types of aircraft shall renew the TRI certificate for the other types held within the same category of aircraft, unless it is otherwise determined in the OSD.]

SECTION 5

Specific requirements for the class rating instructor — CRI

FCL.905.CRI — Privileges and conditions

- (a) The privileges of a CRI are to instruct for:
 - (1) [^{F7}the issue, revalidation or renewal of a class or type rating for single-pilot aeroplanes, except for single-pilot high performance complex aeroplanes, when the privileges sought by the applicant are to fly in single-pilot operations;]
 - (2) a towing or aerobatic rating for the aeroplane category, provided the CRI holds the relevant rating and has demonstrated the ability to instruct for that rating to an FI qualified in accordance with FCL.905.FI(i)[^{F11};]
 - (3) [^{F12}extension of LAPL(A) privileges to another class or variant of aeroplane.]
- (b) The privileges of a CRI are restricted to the class or type of aeroplane in which the instructor assessment of competence was taken. The privileges of the CRI shall be extended to further classes or types when the CRI has completed, within the last 12 months:
 - (1) 15 hours flight time as PIC on aeroplanes of the applicable class or type of aeroplane;
 - (2) one training flight from the right hand seat under the supervision of another CRI or FI qualified for that class or type occupying the other pilot's seat.
- [^{F4}(ba) The privileges of CRIs are to instruct for class and type ratings for single-pilot aeroplanes, except for single-pilot high-performance complex aeroplanes, in multi-pilot operations, provided that CRIs meet any of the following conditions:
 - (1) hold or have held a TRI certificate for multi-pilot aeroplanes;
 - (2) have at least 500 hours on aeroplanes in multi-pilot operations and completed an MCCI training course in accordance with point FCL.930.MCCI.]

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- [^{F9}(c) Applicants for a CRI for multi-engine aeroplanes holding a CRI certificate for single-engine aeroplanes shall have fulfilled the prerequisites for a CRI established in FCL.915.CRI(a) and the requirements of FCL.930.CRI(a)(3) and FCL.935.]

FCL.915.CRI — Prerequisites

An applicant for a CRI certificate shall have completed at least:

- (a) for multi-engine aeroplanes:
 - (1) 500 hours flight time as a pilot on aeroplanes;
 - (2) 30 hours as PIC on the applicable class or type of aeroplane;
- (b) for single-engine aeroplanes:
 - (1) 300 hours flight time as a pilot on aeroplanes;
 - (2) 30 hours as PIC on the applicable class or type of aeroplane.

FCL.930.CRI — Training course

- (a) The training course for the CRI shall include, at least:
 - (1) 25 hours of teaching and learning instruction;
 - (2) 10 hours of technical training, including revision of technical knowledge, the preparation of lesson plans and the development of classroom/simulator instructional skills;
 - (3) [^{F6}5 hours of flight instruction on multi-engine aeroplanes or an FSTD representing that class or type of aeroplane, including at least 3 hours on the aeroplane, or at least 3 hours of flight instruction on single-engine aeroplanes, given by an FI(A) qualified in accordance with point FCL.905.FI(j).]
- (b) Applicants holding or having held an instructor certificate shall be fully credited towards the requirement of (a)(1).

[^{F6}FCL.940.CRI] Revalidation and renewal

- (a) To revalidate a CRI certificate, applicants shall fulfil, within the validity period of the CRI certificate, at least two out of the following three requirements:
 - (1) conduct at least 10 hours of flight instruction as a CRI. If applicants have CRI privileges on both single-engine and multi-engine aeroplanes, those hours of flight instruction shall be equally divided between single-engine and multi-engine aeroplanes;
 - (2) complete a refresher training as a CRI at an ATO or at a competent authority;
 - (3) pass the assessment of competence in accordance with point FCL.935 for multi-engine or single-engine aeroplanes, as relevant.
- (b) For at least each alternate revalidation of a CRI certificate, holders shall have complied with the requirement in point (a)(3).
- (c) Renewal

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

If the CRI certificate has expired, it shall be renewed if the applicants in the period of 12 months before the application for the renewal:

- (1) have completed a refresher training as a CRI at an ATO or at a competent authority;
- (2) have completed the assessment of competence as required by point FCL.935.]

SECTION 6

Specific requirements for the instrument rating instructor — IRI

FCL.905 ~~IRI~~ — Privileges and conditions

- [^{F7}(a) The privileges of an IRI are to instruct for the issue, revalidation and renewal of an EIR or an IR on the appropriate aircraft category.]
- (b) Specific requirements for the MPL course. To instruct for the basic phase of training on an MPL course, the IRI(A) shall:
- (1) hold an IR for multi-engine aeroplanes; and
 - (2) have completed at least 1 500 hours of flight time in multi-crew operations.
 - (3) In the case of IRI already qualified to instruct on ATP(A) or CPL(A)/IR integrated courses, the requirement of (b)(2) may be replaced by the completion of the course provided for in paragraph FCL.905.FI(j)(3).

FCL.915 ~~IRI~~ — Prerequisites

An applicant for an IRI certificate shall:

- (a) for an IRI(A):
- (1) have completed at least 800 hours of flight time under IFR, of which at least 400 hours shall be in aeroplanes; and
 - (2) [^{F7}in the case of applicants of an IRI(A) for multi-engine aeroplanes, meet the requirements of paragraphs FCL.915.CRI(a), FCL.930.CRI and FCL.935;]
- (b) for an IRI(H):
- (1) have completed at least 500 hours of flight time under IFR, of which at least 250 hours shall be instrument flight time in helicopters; and
 - (2) [^{F6}in the case of applicants for an IR(H) for multi-engine helicopters, meet the requirements of point FCL.905.FI(h)(3)(ii);]
- (c) for an IRI(As), have completed at least 300 hours of flight time under IFR, of which at least 100 hours shall be instrument flight time in airships.

FCL.930 ~~IRI~~ — Training course

- (a) The training course for the IRI shall include, at least:
- (1) 25 hours of teaching and learning instruction;
 - (2) 10 hours of technical training, including revision of instrument theoretical knowledge, the preparation of lesson plans and the development of classroom instructional skills;

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- (3) (i) for the IRI(A), at least 10 hours of flight instruction on an aeroplane, FFS, FTD 2/3 or FPNT II. In the case of applicants holding an FI(A) certificate, these hours are reduced to 5;
- (ii) [^{F6}for the IRI(H), at least 10 hours of flight instruction on a helicopter, FFS, FTD 2/3 or FNPT II/III. In the case of applicants holding an FI(H) certificate, those hours are reduced to at least 5;]
- (iii) for the IRI(As), at least 10 hours of flight instruction on an airship, FFS, FTD 2/3 or FNPT II.
- (b) Flight instruction shall be given by an FI qualified in accordance with FCL.905.FI(i).
- (c) Applicants holding or having held an instructor certificate shall be fully credited towards the requirement of (a)(1).

FCL.940.MRI — Revalidation and renewal

For revalidation and renewal of an IRI certificate, the holder shall meet the requirements for revalidation and renewal of an FI certificate, in accordance with FCL.940.FI.

SECTION 7

Specific requirements for the synthetic flight instructor — SFI

[^{F6}FCL.905.SFI] Privileges and conditions

- (a) The privileges of SFIs are to carry out synthetic flight instruction, within the relevant aircraft category, for:
 - (1) the revalidation and renewal of an IR, provided that they hold or have held an IR in the relevant aircraft category;
 - (2) the issue of an IR, provided that they hold or have held an IR in the relevant aircraft category and have completed an IRI training course.
- (b) The privileges of SFIs for single-pilot aeroplanes are to carry out synthetic flight instruction for:
 - (1) the issue, revalidation and renewal of type ratings for single-pilot high performance complex aeroplanes, if applicants seek privileges to operate in single-pilot operations.

The privileges of SFIs for single-pilot aeroplanes may be extended to flight instruction for single-pilot high performance complex aeroplanes type ratings in multi-pilot operations, provided that they meet any of the following conditions:

 - (i) hold or have held a TRI certificate for multi-pilot aeroplanes;
 - (ii) have at least 500 hours on aeroplanes in multi-pilot operations and have completed an MCCI training course in accordance with point FCL.930.MCCI;
- (2) the MCC and the MPL training courses on the basic phase, provided that the privileges of SFIs(SPA) have been extended to multi-pilot operations in accordance with point (1).

Status: Point in time view as at 31/01/2020.

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- (c) The privileges of SFIs for multi-pilot aeroplanes are to carry out synthetic flight instruction for:
 - (1) the issue, revalidation and renewal of type ratings for multi-pilot aeroplanes and if applicants seek privileges to operate in multi-pilot operations, for single-pilot high-performance complex aeroplanes;
 - (2) the MCC training course;
 - (3) the MPL course on the basic, intermediate and advanced phases, provided that, for the basic phase, they hold or have held an FI(A) or an IRI(A) certificate;
- (d) The privileges of SFIs for helicopters are to carry out synthetic flight instruction for:
 - (1) the issue, revalidation and renewal of helicopter type ratings;
 - (2) MCC training, if SFIs have privileges to instruct for multi-pilot helicopters.]

[^{F6}FCL.905.FI Restricted privileges

The privileges of SFIs shall be restricted to the FTD 2/3 or FFS of the aircraft type in which the SFI training course was taken.

The privileges may be extended to other FSTDs representing further types of the same category of aircraft if the holders have:

- (a) completed the simulator content of the relevant type rating course;
- (b) completed the relevant parts of the technical training and the FSTD content of the flight instruction syllabus of the applicable TRI course;
- (c) conducted on a complete type rating course at least 3 hours of flight instruction related to the duties of an SFI on the applicable type under the supervision and to the satisfaction of a TRE or an SFE qualified for this purpose.

The privileges of the SFI shall be extended to further variants in accordance with the OSD if the SFI has completed the type relevant parts of the technical training and the FSTD content of the flight instruction syllabus of the applicable TRI course.]

FCL.915.SFI — Prerequisites

An applicant for an SFI certificate shall:

- (a) hold or have held a CPL, MPL or ATPL in the appropriate aircraft category;
- (b) have completed the proficiency check for the issue of the specific aircraft type rating in an FFS representing the applicable type, within the 12 months preceding the application; and
- (c) additionally, for an SFI(A) for multi-pilot aeroplanes or SFI(PL), have:
 - (1) at least 1 500 hours flight time as a pilot on multi-pilot aeroplanes or powered-lift, as applicable;
 - (2) completed, as a pilot or as an observer, within the 12 months preceding the application, at least:
 - (i) 3 route sectors on the flight deck of the applicable aircraft type; or

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- (ii) 2 line-orientated flight training-based simulator sessions conducted by qualified flight crew on the flight deck of the applicable type. These simulator sessions shall include 2 flights of at least 2 hours each between 2 different aerodromes, and the associated pre-flight planning and de-briefing;
- (d) additionally, for an SFI(A) for single-pilot high performance complex aeroplanes:
 - (1) have completed at least 500 hours of flight time as PIC on single-pilot aeroplanes;
 - (2) hold or have held a multi-engine IR(A) rating; and
 - (3) have met the requirements in (c)(2);
- (e) additionally, for an SFI(H), have:
 - (1) completed, as a pilot or as an observer, at least 1 hour of flight time on the flight deck of the applicable type, within the 12 months preceding the application; and
 - (2) in the case of multi-pilot helicopters, at least 1 000 hours of flying experience as a pilot on helicopters, including at least 350 hours as a pilot on multi-pilot helicopters;
 - (3) in the case of single-pilot multi-engine helicopters, completed 500 hours as pilot of helicopters, including 100 hours as PIC on single-pilot multi-engine helicopters;
 - (4) in the case of single-pilot single-engine helicopters, completed 250 hours as a pilot on helicopters.

FCL.930.SFI — Training course

- (a) The training course for the SFI shall include:
 - (1) the FSTD content of the applicable type rating course;
 - (2) [^{F6}the relevant parts of the technical training and the FSTD content of the flight instruction syllabus of the applicable TRI training course.]
- (b) An applicant for an SFI certificate who holds a TRI certificate for the relevant type shall be fully credited towards the requirements of this paragraph.

[^{F6}FCL.940.SFI] Revalidation and renewal

- (a) Revalidation

To revalidate an SFI certificate, applicants shall fulfil, before the expiry date of the SFI certificate, at least two out of the following three requirements:

- (1) have completed at least 50 hours as instructors or examiners in FSTDs, of which at least 15 hours in the period of 12 months immediately preceding the expiry date of the SFI certificate;
- (2) have completed instructor refresher training as an SFI at an ATO;
- (3) have passed the relevant sections of the assessment of competence in accordance with point FCL.935.

Status: Point in time view as at 31/01/2020.

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- (b) Additionally, applicants shall have completed, on an FFS, the proficiency checks for the issue of the specific aircraft type ratings representing the types for which privileges are held.
- (c) For at least each alternate revalidation of an SFI certificate, holders shall comply with the requirement in point (a)(3).
- (d) If an SFI holds a certificate in more than one type of aircraft within the same category, the assessment of competence taken on one of those types shall revalidate the SFI certificate for the other types held within the same category of aircraft, unless otherwise is determined in the OSD.
- (e) Renewal

To renew the SFI certificate, applicants shall, within the period of 12 months immediately preceding the application for the renewal, comply with all of the following conditions:

- (1) have completed instructor refresher training as an SFI at an ATO;
- (2) have passed the assessment of competence in accordance with point FCL.935;
- (3) have completed, on an FSTD, the skill test for the issue of the specific aircraft type ratings representing the types for which privileges are to be renewed.]

SECTION 8

Specific requirements for the multi-crew cooperation instructor — MCCI

FCL.905~~MCCII~~ — Privileges and conditions

- (a) The privileges of an MCCI are to carry out flight instruction during:
 - (1) the practical part of MCC courses when not combined with type rating training; and
 - (2) in the case of MCCI(A), the basic phase of the MPL integrated training course, provided he/she holds or has held an FI(A) or an IRI(A) certificate.

FCL.910~~MCCII~~ — Restricted privileges

The privileges of the holder of an MCCI certificate shall be restricted to the FNPT II/III MCC, FTD 2/3 or FFS in which the MCCI training course was taken.

The privileges may be extended to other FSTDs representing further types of aircraft when the holder has completed the practical training of the MCCI course on that type of FNPT II/III MCC, FTD 2/3 or FFS.

FCL.915~~MCCII~~ — Prerequisites

An applicant for an MCCI certificate shall:

- (a) hold or have held a CPL, MPL or ATPL in the appropriate aircraft category;
- (b) have at least:
 - (1) [^{F7}in the case of aeroplanes, airships and powered-lift aircraft, 1 500 hours of flying experience as a pilot in multi-pilot operations;]

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- (2) in the case of helicopters, 1 000 hours of flying experience as a pilot in multi-crew operations, of which at least 350 hours in multi-pilot helicopters.

FCL.930.MCCI — Training course

- (a) The training course for the MCCI shall include, at least:
- (1) 25 hours of teaching and learning instruction;
 - (2) technical training related to the type of FSTD where the applicant wishes to instruct;
 - (3) 3 hours of practical instruction, which may be flight instruction or MCC instruction on the relevant FNPT II/III MCC, FTD 2/3 or FFS, under the supervision of a TRI, SFI or MCCI nominated by the ATO for that purpose. These hours of flight instruction under supervision shall include the assessment of the applicant's competence as described in FCL.920.
- (b) Applicants holding or having held an FI, TRI, CRI, IRI or SFI certificate shall be fully credited towards the requirement of (a)(1).

FCL.940.MCCI — Revalidation and renewal

- (a) For revalidation of an MCCI certificate the applicant shall have completed the requirements of FCL.930.MCCI(a)(3) on the relevant type of FNPT II/III, FTD 2/3 or FFS, within the last 12 months of the validity period of the MCCI certificate.
- (b) Renewal. If the MCCI certificate has lapsed, the applicant shall complete the requirements of FCL.930.MCCI(a)(2) and (3) on the relevant type of FNPT II/III MCC, FTD 2/3 or FFS.

SECTION 9

Specific requirements for the synthetic training instructor — STI

FCL.905.SII — Privileges and conditions

- (a) The privileges of an STI are to carry out synthetic flight instruction in the appropriate aircraft category for:
- (1) the issue of a licence;
 - (2) the issue, revalidation or renewal of an IR and a class or type rating for single-pilot aircraft, except for single-pilot high performance complex aeroplanes.
- (b) Additional privileges for the STI(A). The privileges of an STI(A) shall include synthetic flight instruction during the core flying skills training of the MPL integrated training course.

[^{F6}FCL.905.SII] Restricted privileges

The privileges of STIs shall be restricted to the FSTD in which the STI training course was taken.

The privileges may be extended to other FSTDs representing further types of aircraft if in the period of 12 months immediately preceding the application the holders have:

- (a) completed the FSTD content of the CRI or TRI course on the class or type of aircraft for which instructional privileges are sought;

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- (b) passed in the FSTD on which flight instruction is to be conducted, the applicable section of the proficiency check in accordance with Appendix 9 to this Annex for the appropriate class or type of aircraft.

For STIs(A) instructing on BITD only, the proficiency check shall include only the exercises appropriate for the skill test for the issue of a PPL(A);

- (c) conducted, on a CPL, an IR, a PPL or a class or type rating course, at least 3 hours of flight instruction under the supervision of an FI, a CRI(A), an IRI or a TRI nominated by the ATO for this purpose, including at least 1 hour of flight instruction that is supervised by an FIE in the appropriate aircraft category.]

[^{F6}FCL.930~~930~~ STI Prerequisites

- (a) Applicants for the issue of an STI certificate shall:

- (1) hold, or have held within the 3 years prior to the application, a pilot licence and instructional privileges appropriate to the courses on which instruction is intended;
- (2) have completed in an FSTD the relevant proficiency check for the class or type rating, in the period of 12 months immediately preceding the application.

Applicants for the issue of an STI(A) wishing to instruct on BITDs only, shall complete the exercises appropriate for a skill test for the issue of a PPL(A) only;

- (b) Additionally to the requirements laid down in point (a), applicants for the issue of an STI(H) certificate shall have completed at least 1 hour of flight time as an observer on the flight deck of the applicable type of helicopter, in the period of 12 months immediately preceding the application.]

FCL.930~~930~~ STI — Training course

- (a) The training course for the STI shall comprise at least 3 hours of flight instruction related to the duties of an STI in an FFS, FTD 2/3 or FNPT II/III, under the supervision of an FIE. These hours of flight instruction under supervision shall include the assessment of the applicant's competence as described in FCL.920.

Applicants for an STI(A) wishing to instruct on a BITD only, shall complete the flight instruction on a BITD.

- (b) For applicants for an STI(H), the course shall also include the FFS content of the applicable TRI course.

[^{F6}FCL.940~~940~~ STI Revalidation and renewal of the STI certificate

- (a) Revalidation

To revalidate an STI certificate, applicants shall, within the period of 12 months immediately preceding the expiry date of the STI certificate, comply with all of the following conditions:

- (1) have conducted at least 3 hours of flight instruction in an FSTD, as part of a complete CPL, IR, PPL or class or type rating course;
- (2) have passed in the FSTD on which flight instruction is conducted, the applicable sections of the proficiency check in accordance with Appendix 9 to this Annex for the appropriate class or type of aircraft.

For STIs(A) instructing on BITDs only, the proficiency check shall include the exercises appropriate for a skill test for the issue of a PPL(A) only.

Status: Point in time view as at 31/01/2020.

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(b) Renewal

To renew STI certificate, the applicants shall within the period of 12 months immediately preceding the application for the renewal:

- (1) complete a refresher training as an STI at an ATO;
- (2) pass in the FSTD on which flight instruction is conducted, the applicable sections of the proficiency check in accordance with Appendix 9 to this Annex for the appropriate class or type of aircraft.

For an STI(A) instructing on BITDs only, the proficiency check shall include the exercises appropriate for a skill test for the issue of a PPL(A) only;

- (3) conduct, in the relevant aircraft category, on a complete CPL, IR, PPL or class or type rating course, at least 3 hours of flight instruction under the supervision of an FI, a CRI, an IRI or a TRI nominated by the ATO for this purpose, including at least 1 hour of flight instruction supervised by a flight instructor examiner (FIE).]

SECTION 10

Mountain rating instructor — MI

FCL.905~~MI~~ — Privileges and conditions

The privileges of an MI are to carry out flight instruction for the issue of a mountain rating.

FCL.915~~MI~~ — Prerequisites

An applicant for an MI certificate shall:

- (a) hold a, FI, CRI, or TRI certificate, with privileges for single-pilot aeroplanes;
- (b) hold a mountain rating.

FCL.930~~MI~~ — Training course

- (a) The training course for the MI shall include the assessment of the applicant's competence as described in FCL.920.
- (b) Before attending the course, applicants shall have passed a pre-entry flight test with an MI holding an FI certificate to assess their experience and ability to undertake the training course.

^{F7}**FCL.940**~~MI~~ — Validity of the MI certificate

The MI certificate is valid as long as the FI, TRI or CRI certificate is valid.]

SECTION 11

Specific requirements for the flight test instructor — FTI

FCL.905~~FTI~~ — Privileges and conditions

- (a) The privileges of a flight test instructor (FTI) are to instruct, within the appropriate aircraft category, for:

Status: Point in time view as at 31/01/2020.

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- (1) the issue of category 1 or 2 flight test ratings, provided he/she holds the relevant category of flight test rating;
- (2) the issue of an FTI certificate, within the relevant category of flight test rating, provided that the instructor has at least 2 years of experience instructing for the issue of flight test ratings.
- (b) The privileges of an FTI holding a category 1 flight test rating include the provision of flight instruction also in relation to category 2 flight test ratings.

FCL.915.FII — Prerequisites

An applicant for an FTI certificate shall:

- (a) hold a flight test rating issued in accordance with FCL.820;
- (b) have completed at least 200 hours of category 1 or 2 flight tests.

FCL.930.FII — Training course

- (a) The training course for the FTI shall include, at least:
 - (1) 25 hours of teaching and learning;
 - (2) 10 hours of technical training, including revision of technical knowledge, the preparation of lesson plans and the development of classroom/simulator instructional skills;
 - (3) 5 hours of practical flight instruction under the supervision of an FTI qualified in accordance with FCL.905.FTI(b). These hours of flight instruction shall include the assessment of the applicant's competence as described in FCL.920.
- (b) Crediting:
 - (1) Applicants holding or having held an instructor certificate shall be fully credited towards the requirement of (a)(1).
 - (2) In addition, applicants holding or having held an FI or TRI certificate in the relevant aircraft category shall be fully credited towards the requirements of (a)(2).

FCL.940.FII — Revalidation and renewal

- (a) Revalidation. For revalidation of an FTI certificate, the applicant shall, within the validity period of the FTI certificate, fulfil one of the following requirements:
 - (1) complete at least:
 - (i) 50 hours of flight tests, of which at least 15 hours shall be within the 12 months preceding the expiry date of the FTI certificate; and
 - (ii) 5 hours of flight test flight instruction within the 12 months preceding the expiry date of the FTI certificate; or
 - (2) receive refresher training as an FTI at an ATO. The refresher training shall be based on the practical flight instruction element of the FTI training course, in accordance with FCL.930.FTI(a)(3), and include at least 1 instruction flight under the supervision of an FTI qualified in accordance with FCL.905.FTI(b).

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

- (b) Renewal. If the FTI certificate has lapsed, the applicant shall receive refresher training as an FTI at an ATO. The refresher training shall comply at least with the requirements of FCL.930.FTI(a)(3).

SUBPART **EXAMINERS** K

SECTION 1

Common requirements

[^{F6}FCL.1000] Examiner certificates

- (a) General

Holders of an examiner certificate shall:

- (1) hold, unless otherwise determined in this Annex, an equivalent licence, rating or certificate to the ones for which they are authorised to conduct skill tests, proficiency checks or assessments of competence and the privilege to instruct for them;
- (2) be qualified to act as PIC in the aircraft during a skill test, proficiency check or assessment of competence if conducted on the aircraft.

- (b) Special conditions:

- (1) The competent authority may issue a specific certificate granting privileges for the conduct of skill tests, proficiency checks and assessments of competence if compliance with the requirements established in this Subpart is not possible because of the introduction of any of the following:

- (i) new aircraft in the Member States or in an operator's fleet;
- (ii) new training courses in this Annex.

Such a certificate shall be limited to the skill tests, proficiency checks and assessments of competence necessary for the introduction of the new type of aircraft or the new training course and its validity shall not, in any case, exceed 1 year.

- (2) Holders of a certificate issued in accordance with point (b)(1) who wish to apply for an examiner certificate shall comply with the prerequisites and revalidation requirements for that category of examiner certificate.
- (3) Where no qualified examiner is available, competent authorities may, on a case-by-case basis, authorise inspectors or examiners who do not meet the relevant instructor, type or class rating requirements as specified in (a), to perform skill tests, proficiency checks and assessments of competence.
- (c) Examination provided outside the territory of the Member States:
- (1) By way of derogation from point (a), in the case of skill tests and proficiency checks provided outside the territory for which Member States are responsible under the Chicago Convention, the competent authority shall issue an examiner certificate to applicants holding a pilot licence that is compliant with Annex 1 to the Chicago Convention, provided that those applicants:

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- (i) hold at least an equivalent licence, rating, or certificate to the one for which they are authorised to conduct skill tests, proficiency checks or assessments of competence, and in any case at least a CPL;
 - (ii) are qualified to act as PIC in the aircraft during a skill test or proficiency check that is conducted in the aircraft;
 - (iii) comply with the requirements established in this Subpart for the issue of the relevant examiner certificate; and
 - (iv) demonstrate to the competent authority an adequate level of knowledge of European aviation safety rules to be able to exercise examiner privileges in accordance with this Annex.
- (2) The certificate referred to in point (1) shall be limited to performing skill tests and proficiency checks:
- (i) outside the territories for which the Member States are responsible under the Chicago Convention; and
 - (ii) to pilots who have sufficient knowledge of the language in which the test/check is given.]

[^{F6}FCL.100] Limitation of privileges in case of vested interests

Examiners shall not conduct:

- (a) skill tests or assessments of competence of applicants for the issue of a licence, rating or certificate to whom they have provided more than 25 % of the required flight instruction for the licence, rating or certificate for which the skill test or assessment of competence is being taken; and
- (b) skill tests, proficiency checks or assessments of competence whenever they feel that their objectivity may be affected.]

FCL.101 Prerequisites for examiners

Applicants for an examiner certificate shall demonstrate:

- (a) relevant knowledge, background and appropriate experience related to the privileges of an examiner;
- (b) that they have not been subject to any sanctions, including the suspension, limitation or revocation of any of their licences, ratings or certificates issued in accordance with this Part, for non-compliance with the Basic Regulation and its Implementing Rules during the last 3 years.

FCL.101 Examiner standardisation

- [^{F8}(a) An applicant for an examiner certificate shall undertake a standardisation course which is provided by the competent authority or which is provided by an ATO and approved by the competent authority. An applicant for an examiner certificate for sailplanes or balloons may undertake a standardisation course which is provided by a DTO and approved by the competent authority.]
- (b) The standardisation course shall consist of theoretical and practical instruction and shall include, at least:

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- (1) the conduct of 2 skill tests, proficiency checks or assessments of competences for the licences, ratings or certificates for which the applicant seeks the privilege to conduct tests and checks;
 - (2) instruction on the applicable requirements in this part and the applicable air operations requirements, the conduct of skill tests, proficiency checks and assessments of competence, and their documentation and reporting;
 - (3) a briefing on the national administrative procedures, requirements for protection of personal data, liability, accident insurance and fees^{[F7];}
 - (4) ^[F9]a briefing on the need to review and apply the items in (3) when conducting skill tests, proficiency checks or assessments of competence of an applicant for which the competent authority is not the same that issued the examiner's certificate; and
 - (5) an instruction on how to get access to these national procedures and requirements of other competent authorities when needed;]
- ^[F7](c) Holders of an examiners certificate shall not conduct skill tests, proficiency checks or assessments of competence of an applicant for which the competent authority is not the same that issued the examiner's certificate, unless they have reviewed the latest available information containing the relevant national procedures of the applicant's competent authority.]

FCL.102 Examiners assessment of competence

Applicants for an examiner certificate shall demonstrate their competence to an inspector from the competent authority or a senior examiner specifically authorised to do so by the competent authority responsible for the examiner's certificate through the conduct of a skill test, proficiency check or assessment of competence in the examiner role for which privileges are sought, including briefing, conduct of the skill test, proficiency check or assessment of competence, and assessment of the person to whom the test, check or assessment is given, debriefing and recording documentation.

^[F6]FCL.102 Validity, revalidation and renewal of examiner certificates

(a) Validity

An examiner certificate shall be valid for 3 years.

(b) Revalidation

To revalidate an examiner certificate, holders shall comply with all of the following conditions:

- (1) before the expiry date of the certificate, have conducted at least six skill tests, proficiency checks or assessments of competence;
- (2) in the period of 12 months immediately preceding the expiry date of the certificate, have completed an examiner refresher course which is provided by the competent authority or which is provided by an ATO and approved by the competent authority. An examiner holding a certificate for sailplanes or balloons may have completed, in the period of 12 months immediately preceding the expiry date of the certificate, an examiner refresher course which is provided by a DTO and approved by the competent authority;

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- (3) one of the skill tests, proficiency checks or assessments of competence conducted in accordance with point (1) shall take place in the period of 12 months immediately preceding the expiry date of the examiner certificate and shall:
- (i) have been assessed by an inspector from the competent authority or by a senior examiner specifically authorised to do so by the competent authority responsible for the examiner certificate; or
 - (ii) comply with the requirements in point FCL.1020.

If applicants for the revalidation hold privileges for more than one category of examiner, all examiner privileges may be revalidated if applicants comply with the requirements laid down in points (b)(1) and (2) and point FCL.1020 for one of the categories of examiner certificates held, in agreement with the competent authority.

(c) Renewal

If the certificate has expired, before resuming the exercise of the privileges, the applicants shall comply with the requirements in point (b)(2) and point FCL.1020 in the period of 12 months immediately preceding the application for the renewal.

- (d) An examiner certificate shall only be revalidated or renewed if applicants demonstrate continued compliance with the requirements laid down in points FCL.1010 and FCL.1030.]

FCL.1030 Conduct of skill tests, proficiency checks and assessments of competence

- (a) When conducting skill tests, proficiency checks and assessments of competence, examiners shall:
- (1) ensure that communication with the applicant can be established without language barriers;
 - (2) verify that the applicant complies with all the qualification, training and experience requirements in this Part for the issue, revalidation or renewal of the licence, rating or certificate for which the skill test, proficiency check or assessment of competence is taken;
 - (3) make the applicant aware of the consequences of providing incomplete, inaccurate or false information related to their training and flight experience.
- (b) After completion of the skill test or proficiency check, the examiner shall:
- (1) inform the applicant of the result of the test. In the event of a partial pass or fail, the examiner shall inform the applicant that he/she may not exercise the privileges of the rating until a full pass has been obtained. The examiner shall detail any further training requirement and explain the applicant's right of appeal;
 - (2) in the event of a pass in a proficiency check or assessment of competence for revalidation or renewal, endorse the applicant's licence or certificate with the new expiry date of the rating or certificate, if specifically authorised for that purpose by the competent authority responsible for the applicant's licence;
 - (3) provide the applicant with a signed report of the skill test or proficiency check and submit without delay copies of the report to the competent authority responsible for the applicant's licence, and to the competent authority that issued the examiner certificate. The report shall include:

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- (i) a declaration that the examiner has received information from the applicant regarding his/her experience and instruction, and found that experience and instruction complying with the applicable requirements in this Part;
 - (ii) confirmation that all the required manoeuvres and exercises have been completed, as well as information on the verbal theoretical knowledge examination, when applicable. If an item has been failed, the examiner shall record the reasons for this assessment;
 - (iii) the result of the test, check or assessment of competence^[F7;]
 - (iv) ^[F9]a declaration that the examiner has reviewed and applied the national procedures and requirements of the applicant's competent authority if the competent authority responsible for the applicant's licence is not the same that issued the examiner's certificate;]
 - (v) ^[F9]a copy of the examiner certificate containing the scope of his/her privileges as examiner in the case of skill tests, proficiency checks or assessments of competence of an applicant for which the competent authority is not the same that issued the examiner's certificate.]
- (c) Examiners shall maintain records for 5 years with details of all skill tests, proficiency checks and assessments of competence performed and their results.
- (d) Upon request by the competent authority responsible for the examiner certificate, or the competent authority responsible for the applicant's licence, examiners shall submit all records and reports, and any other information, as required for oversight activities.

SECTION 2

Specific requirements for flight examiners — FE

FCL.1005EE— Privileges and conditions

- (a) FE(A). The privileges of an FE for aeroplanes are to conduct:
 - (1) skill tests for the issue of the PPL(A) and skill tests and proficiency checks for associated single-pilot class and type ratings, except for single-pilot high performance complex aeroplanes, provided that the examiner has completed at least 1 000 hours of flight time as a pilot on aeroplanes or TMGs, including at least 250 hours of flight instruction;
 - (2) skill tests for the issue of the CPL(A) and skill tests and proficiency checks for the associated single-pilot class and type ratings, except for single-pilot high performance complex aeroplanes, provided that the examiner has completed at least 2 000 hours of flight time as a pilot on aeroplanes or TMGs, including at least 250 hours of flight instruction;
 - (3) skill tests and proficiency checks for the LAPL(A), provided that the examiner has completed at least 500 hours of flight time as a pilot on aeroplanes or TMGs, including at least 100 hours of flight instruction;
 - (4) skill tests for the issue of a mountain rating, provided that the examiner has completed at least 500 hours of flight time as a pilot on aeroplanes or TMGs, including at least 500 take-offs and landings of flight instruction for the mountain rating^[F7;]

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- (5) [^{F9}proficiency checks for the revalidation and renewal of EIRs, provided that the FE has completed at least 1 500 hours as a pilot on aeroplanes and complies with the requirements in FCL.1010.IRE(a)(2).]
- (b) FE(H). The privileges of an FE for helicopters are to conduct:
- (1) skill tests for the issue of the PPL(H) and skill tests and proficiency checks for single-pilot single-engine helicopter type ratings entered in a PPL(H), provided that the examiner has completed 1 000 hours of flight time as a pilot on helicopters, including at least 250 hours of flight instruction;
 - (2) skill tests for the issue of the CPL(H) and skill tests and proficiency checks for single-pilot single-engine helicopter type ratings entered in a CPL(H), provided the examiner has completed 2 000 hours of flight time as pilot on helicopters, including at least 250 hours of flight instruction;
 - (3) skill tests and proficiency checks for single-pilot multi-engine helicopter type ratings entered in a PPL(H) or a CPL(H), provided the examiner has completed the requirements in (1) or (2), as applicable, and holds a CPL(H) or ATPL(H) and, when applicable, an IR(H);
 - (4) skill tests and proficiency checks for the LAPL(H), provided that the examiner has completed at least 500 hours of flight time as a pilot on helicopters, including at least 150 hours of flight instruction.
- (c) FE(As). The privileges of an FE for airships are to conduct skill tests for the issue of the PPL(As) and CPL(As) and skill tests and proficiency checks for the associated airship type ratings, provided that the examiner has completed 500 hours of flight time as a pilot on airships, including 100 hours of flight instruction.
- (d) FE(S). The privileges of an FE for sailplanes are to conduct:
- (1) skill tests and proficiency checks for the SPL and the LAPL(S), provided that the examiner has completed 300 hours of flight time as a pilot on sailplanes or powered sailplanes, including 150 hours or 300 launches of flight instruction;
 - (2) proficiency checks for the extension of the SPL privileges to commercial operations, provided that the examiner has completed 300 hours of flight time as a pilot on sailplanes or powered sailplanes, including 90 hours of flight instruction;
 - (3) [^{F7}skill tests for the extension of the SPL or LAPL(S) privileges to TMG, provided that the examiner has completed 300 hours of flight time as a pilot on sailplanes or powered sailplanes, including 50 hours of flight instruction on TMG;
 - (4) skill tests and proficiency checks for the cloud flying rating, provided that the examiner has completed at least 200 hours of flight time as pilot on sailplanes or powered sailplanes, including at least 5 hours or 25 flights of flight instruction for the cloud flying rating or at least 10 hours of flight instruction for the EIR or IR(A).]
- (e) FE(B). The privileges of an FE for balloons are to conduct:
- (1) skill tests for the issue of the BPL and the LAPL(B) and skill tests and proficiency checks for the extension of the privileges to another balloon class or group, provided that the examiner has completed 250 hours of flight time as a pilot on balloons, including 50 hours of flight instruction;

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- (2) proficiency checks for the extension of the BPL privileges to commercial operations, provided that the examiner has completed 300 hours of flight time as a pilot on balloons, of which 50 hours in the same group of balloons for which the extension is sought. The 300 hours of flight time shall include 50 hours of flight instruction.

FCL.1010~~EE~~— Prerequisites

An applicant for an FE certificate shall hold:

an FI certificate in the appropriate aircraft category.

SECTION 3

Specific requirements for type rating examiners — TRE

FCL.1005~~TRE~~— Privileges and conditions

- (a) TRE(A) and TRE(PL). The privileges of a TRE for aeroplanes or powered-lift aircraft are to conduct:
- (1) skill tests for the initial issue of type ratings for aeroplanes or powered-lift aircraft, as applicable;
 - (2) [^{F7}proficiency checks for revalidation or renewal of type ratings, EIRs and IRs;]
 - (3) skill tests for ATPL(A) issue;
 - (4) skill tests for MPL issue, provided that the examiner has complied with the requirements in FCL.925;
 - (5) [^{F6}assessments of competence for the issue, revalidation or renewal of a TRI or SFI certificates in the applicable aircraft category, provided that they have completed at least 3 years as a TRE and have undergone specific training for the assessment of competence in accordance with point FCL.1015 (b).]
- (b) TRE(H). The privileges of a TRE(H) are to conduct:
- (1) skill tests and proficiency checks for the issue, revalidation or renewal of helicopter type ratings;
 - (2) proficiency checks for the revalidation or renewal of IRs, or for the extension of the IR(H) from single-engine helicopters to multi-engine helicopters, provided the TRE(H) holds a valid IR(H);
 - (3) skill tests for ATPL(H) issue;
 - (4) [^{F6}assessments of competence for the issue, revalidation or renewal of a TRI(H) or SFI(H) certificates, provided that they have completed at least 3 years as a TRE and have undergone specific training for the assessment of competence in accordance with point FCL.1015 (b).]

FCL.1010~~TRE~~— Prerequisites

- (a) TRE(A) and TRE(PL). Applicants for a TRE certificate for aeroplanes and powered-lift aircraft shall:

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- (1) in the case of multi-pilot aeroplanes or powered-lift aircraft, have completed 1 500 hours of flight time as a pilot of multi-pilot aeroplanes or powered-lift aircraft, as applicable, of which at least 500 hours shall be as PIC;
- (2) in the case of single-pilot high performance complex aeroplanes, have completed 500 hours of flight time as a pilot of single-pilot aeroplanes, of which at least 200 hours shall be as PIC;
- (3) hold a CPL or ATPL and a TRI certificate for the applicable type;
- (4) for the initial issue of an TRE certificate, have completed at least 50 hours of flight instruction as a TRI, FI or SFI in the applicable type or an FSTD representing that type.
- (b) TRE(H). Applicants for a TRE (H) certificate for helicopters shall:
 - (1) hold a TRI(H) certificate or, in the case of single-pilot single-engine helicopters, a valid FI(H) certificate, for the applicable type;
 - (2) for the initial issue of a TRE certificate, have completed 50 hours of flight instruction as a TRI, FI or SFI in the applicable type or an FSTD representing that type;
 - (3) in the case of multi-pilot helicopters, hold a CPL(H) or ATPL(H) and have completed 1 500 hours of flight as a pilot on multi-pilot helicopters, of which at least 500 hours shall be as PIC;
 - (4) in the case of single-pilot multi-engine helicopters:
 - (i) have completed 1 000 hours of flight as pilot on helicopters, of which at least 500 hours shall be as PIC;
 - (ii) hold a CPL(H) or ATPL(H) and, when applicable, a valid IR(H);
 - (5) in the case of single-pilot single-engine helicopters:
 - (i) have completed 750 hours of flight as a pilot on helicopters, of which at least 500 hours shall be as PIC;
 - (ii) [^{F7}hold a CPL(H) or ATPL(H).]
 - (6) Before the privileges of a TRE(H) are extended from single-pilot multi-engine to multi-pilot multi-engine privileges on the same type of helicopter, the holder shall have at least 100 hours in multi-pilot operations on this type.
 - (7) In the case of applicants for the first multi-pilot multi-engine TRE certificate, the 1 500 hours of flight experience on multi-pilot helicopters required in (b)(3) may be considered to have been met if they have completed the 500 hours of flight time as PIC on a multi-pilot helicopter of the same type.

SECTION 4

Specific requirements for Class Rating Examiner — CRE

FCL.1005 CRE – Privileges

The privileges of a CRE are to conduct, for single-pilot aeroplanes, except for single-pilot high performance complex aeroplanes:

- (a) skill tests for the issue of class and type ratings;

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- (b) [^{F6}proficiency checks for:
- (1) revalidation or renewal of class and type ratings;
 - (2) revalidation of IRs, provided that they have completed at least 1500 hours as pilots of aeroplanes and have completed at least 450 hours of flight time under IFR;
 - (3) renewal of IRs, provided that they comply with the requirements laid down in point FCL.1010.IRE(a); and
 - (4) revalidation and renewal of EIRs, provided that they have completed at least 1 500 hours as a pilot on aeroplanes and comply with the requirements laid down in point FCL.1010.IRE(a)(2).]
- (c) [^{F12}skill tests for the extension of LAPL(A) privileges to another class or variant of aeroplane.]

FCL.1010.CRE – Prerequisites

Applicants for a CRE certificate shall:

- (a) hold a CPL(A), MPL(A) or ATPL(A) with single-pilot privileges or have held it and hold a PPL(A);
- (b) [^{F6}hold a CRI or FI certificate with instructional privileges for the applicable class or type;]
- (c) have completed 500 hours of flight time as a pilot on aeroplanes.

SECTION 5

Specific requirements for Instrument Rating Examiner — IRE

[^{F7}FCL.1010.IRE] Prerequisites

The privileges of the holder of an IRE certificate are to conduct skill tests for the issue, and proficiency checks for the revalidation or renewal of EIRs or IRs.]

[^{F6}FCL.1010.IRE] Prerequisites

- (a) IRE(A)

Applicants for an IRE certificate for aeroplanes shall hold an IRI(A) or an FI(A) certificate with the privilege to instruct for the IR(A) and shall have completed:

- (1) 2000 hours of flight time as pilots of aeroplanes; and
 - (2) 450 hours of flight time under IFR, of which 250 hours shall be as an instructor.
- (b) IRE(H)

Applicants for an IRE certificate for helicopters shall hold an IRI(H) or an FI(H) certificate with the privilege to instruct for the IR(H) and shall have completed:

- (1) 2000 hours of flight time as pilots of helicopters; and

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(2) 300 hours of instrument flight time in helicopters, of which 200 hours shall be as an instructor.

(c) IRE(As)

Applicants for an IRE certificate for airships shall hold an IRI(As) or an FI(As) certificate with the privilege to instruct for the IR(As) and shall have completed:

(1) 500 hours of flight time as pilots on airships; and

(2) 100 hours of instrument flight time on airships, of which 50 hours shall be as an instructor.]

SECTION 6

Specific requirements for Synthetic Flight Examiner — SFE

[^{F6} FCL.105 SFE] ~~SFE~~ Privileges and conditions

(a) SFE for aeroplanes (SFE(A)) and SFE for powered-lift aircraft (SFE(PL))

The privileges of SFEs for aeroplanes or powered-lift aircraft are to conduct in an FFS, or for the assessments in point (5) on the applicable FSTD:

(1) skill tests and proficiency checks for the issue, revalidation or renewal of type ratings for aeroplanes or powered-lift aircraft, as applicable;

(2) proficiency checks for the revalidation or renewal of IRs if combined with the revalidation or renewal of a type rating, provided that they have passed a proficiency check for the aircraft type including the instrument rating within the last year;

(3) skill tests for ATPL(A) issue;

(4) skill tests for MPL issue, provided that they have complied with the requirements laid down in point FCL.925; and

(5) assessments of competence for the issue, revalidation or renewal of an SFI certificate in the relevant aircraft category, provided that they have completed at least 3 years as an SFE(A) and have undergone specific training for the assessment of competence in accordance with point FCL.1015 (b).

(b) SFE for helicopters (SFE(H))

The privileges of an SFES(H) are to conduct in an FFS or for the assessments in point (4) on the applicable FSTD:

(1) skill tests and proficiency checks for the issue, revalidation and renewal of type ratings;

(2) proficiency checks for the revalidation and renewal of IRs if those checks are combined with the revalidation or renewal of a type rating, provided that the SFES have passed a proficiency check for the aircraft type including the instrument rating within the last year preceding the proficiency check;

(3) skill tests for ATPL(H) issue; and

(4) assessments of competence for the issue, revalidation or renewal of an SFI(H) certificate, provided that they have completed at least 3 years as an SFE(H) and have

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undergone specific training for the assessment of competence in accordance with point FCL.1015 (b).]

[^{F6}FCL.1015 SFE] Prerequisites

(a) SFE(A)

Applicants for an SFE(A) certificate shall comply with all of the following conditions:

- (1) in the case of multi-pilot aeroplanes:
 - (i) hold or have held an ATPL(A) and a type rating for the applicable type of aeroplane;
 - (ii) an SFI(A) certificate for the applicable type of aeroplane; and
 - (iii) have at least 1500 hours of flight time as pilots of multi-pilot aeroplanes;
- (2) in the case of single-pilot high-performance complex aeroplanes:
 - (i) hold or have held a CPL(A) or an ATPL(A) and a type rating for the applicable type of aeroplane;
 - (ii) hold an SFI(A) certificate for the applicable class or type of aeroplane;
 - (iii) have at least 500 hours of flight time as pilots of single-pilot aeroplanes;
- (3) for the initial issue of an SFE certificate, have completed at least 50 hours of synthetic flight instruction as a TRI(A) or an SFI(A) on the applicable type.

(b) SFE(H)

Applicants for an SFE(H) certificate shall comply with all of the following conditions:

- (1) hold or have held an ATPL(H), and a type rating for the applicable type of helicopter;
- (2) hold an SFI(H) certificate for the applicable type of helicopter;
- (3) have at least 1000 hours of flight time as pilots of multi-pilot helicopters;
- (4) for the initial issue of an SFE certificate, have completed at least 50 hours of synthetic flight instruction as a TRI(H) or an SFI(H) on the applicable type.]

SECTION 7

Specific requirements for the flight instructor examiner — FIE

FCL.1005 FIE — Privileges and conditions

- (a) FIE(A). The privileges of an FIE on aeroplanes are to conduct assessments of competence for the issue, revalidation or renewal of certificates for FI(A), CRI(A), IRI(A) and TRI(A) on single-pilot aeroplanes, provided that the relevant instructor certificate is held.
- (b) FIE(H). The privileges of an FIE on helicopters are to conduct assessments of competence for the issue, revalidation or renewal of certificates for FI(H), IRI(H) and TRI(H) on single-pilot helicopters, provided that the relevant instructor certificate is held.

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- (c) FIE(As), (S), (B). The privileges of an FIE on sailplanes, powered sailplanes, balloons and airships are to conduct assessments of competence for the issue, revalidation or renewal of instructor certificates on the applicable aircraft category, provided that the relevant instructor certificate is held.

FCL.1010 ~~FHE~~ – Prerequisites

- (a) FIE(A). Applicants for an FIE certificate for aeroplanes shall:
in case of applicants wishing to conduct assessments of competence:
- (1) hold the relevant instructor certificate, as applicable;
 - (2) have completed 2 000 hours of flight time as a pilot on aeroplanes or TMGs; and
 - (3) have at least 100 hours of flight time instructing applicants for an instructor certificate.
- (b) FIE(H). Applicants for an FIE certificate for helicopters shall:
- (1) hold the relevant instructor certificate, as applicable;
 - (2) have completed 2 000 hours of flight time as pilot on helicopters;
 - (3) have at least 100 hours of flight time instructing applicants for an instructor certificate.
- (c) FIE(As). Applicants for an FIE certificate for airships shall:
- (1) have completed 500 hours of flight time as a pilot on airships;
 - (2) have at least 20 hours of flight time instructing applicants for an FI(AS) certificate;
 - (3) hold the relevant instructor certificate.
- (d) FIE(S). Applicants for an FIE certificate for sailplanes shall:
- (1) hold the relevant instructor certificate;
 - (2) have completed 500 hours of flight time as a pilot on sailplanes or powered sailplanes;
 - (3) have completed:
 - (i) for applicants wishing to conduct assessments of competence on TMGs, 10 hours or 30 take-offs instructing applicants for an instructor certificate in TMGs;
 - (ii) in all other cases, 10 hours or 30 launches instructing applicants for an instructor certificate.
- (e) FIE(B). Applicants for an FIE certificate for balloons shall:
- (1) hold the relevant instructor certificate;
 - (2) have completed 350 hours of flight time as a pilot on balloons;
 - (3) have completed 10 hours instructing applicants for an instructor certificate.

Status: Point in time view as at 31/01/2020.

Changes to legislation: There are outstanding changes not yet made to Commission Regulation (EU) No 1178/2011. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details)

Appendix 1

Crediting of theoretical knowledge

[^{F11}A. CREDITING OF THEORETICAL KNOWLEDGE FOR THE ISSUE OF A PILOT LICENCE — BRIDGE INSTRUCTION AND EXAMINATION REQUIREMENTS]

1. LAPL, PPL, BPL and SPL

[^{F6}1.1. For the issue of an LAPL, the holder of an LAPL in another category of aircraft shall be fully credited with theoretical knowledge on the common subjects established in point FCL.120. However, the subject 'navigation' shall only be subject to such a credit in the case of an LAPL(A) holder who applies for the issue of an LAPL(H) or an LAPL(H) holder who applies for the issue of an LAPL(A).

1.2. For the issue of an LAPL(A), an LAPL(H) or a PPL, holders of a PPL, CPL or ATPL in another category of aircraft shall be fully credited with theoretical knowledge on the common subjects established in point FCL.215(a)(1).]

[^{F4}1.2a For the issue of an LAPL(B), an LAPL(S), a BPL or an SPL, holders of a licence in another category of aircraft shall be fully credited with theoretical knowledge on the common subjects established in point FCL.215(b)(1).]

1.3. For the issue of a PPL, BPL or SPL, the holder of an LAPL in the same category of aircraft shall be credited in full towards the theoretical knowledge instruction and examination requirements.

[^{F12}1.4. Notwithstanding paragraph 1.2, for the issue of an LAPL(A), the holder of an LAPL(S) with TMG extension shall demonstrate an adequate level of theoretical knowledge for the single-engine piston aeroplane-land class in accordance with FCL.135.A(a)(2).]

2. CPL

2.1. An applicant for a CPL holding a CPL in another category of aircraft shall have received theoretical knowledge bridge instruction on an approved course according to the differences identified between the CPL syllabi for different aircraft categories.

2.2. The applicant shall pass theoretical knowledge examinations as defined in this Part for the following subjects in the appropriate aircraft category:

021 — Aircraft General Knowledge: Airframe and Systems, Electrics, Powerplant, Emergency Equipment,

022 — Aircraft General Knowledge: Instrumentation,

032/034 — Performance Aeroplanes or Helicopters, as applicable,

070 — Operational Procedures, and

080 — Principles of Flight.

2.3. An applicant for a CPL having passed the relevant theoretical examinations for an IR in the same category of aircraft is credited towards the theoretical knowledge requirements in the following subjects:

— Human Performance,

— Meteorology.

3. ATPL

3.1. An applicant for an ATPL holding an ATPL in another category of aircraft shall have received theoretical knowledge bridge instruction at an ATO according to the differences identified between the ATPL syllabi for different aircraft categories.

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[^{F7}3.2. The applicant shall pass theoretical knowledge examinations as defined in this Part for the following subjects in the appropriate aircraft category:

- 021 — Aircraft General Knowledge: Airframe and Systems, Electrics, Powerplant, Emergency Equipment,
- 022 — Aircraft General Knowledge: Instrumentation,
- 032/034 — Performance Aeroplanes or Helicopters, as applicable,
- 070 — Operational Procedures, and
- 080 — Principles of Flight]

3.3. An applicant for an ATPL(A) having passed the relevant theoretical examination for a CPL(A) is credited towards the theoretical knowledge requirements in subject VFR Communications.

3.4. An applicant for an ATPL(H), having passed the relevant theoretical examinations for a CPL(H) is credited towards the theoretical knowledge requirements in the following subjects:

- Air Law,
- Principles of Flight (Helicopter),
- VFR Communications.

3.5. An applicant for an ATPL(A) having passed the relevant theoretical examination for an IR(A) is credited towards the theoretical knowledge requirements in subject IFR Communications.

3.6. An applicant for an ATPL(H) with an IR(H), having passed the relevant theoretical examinations for a CPL(H) is credited towards the theoretical knowledge requirements in the following subjects:

- Principles of Flight (Helicopter),
- VFR Communications.

4. **IR**

[^{F7}4.1. An applicant for an IR or an EIR having passed the relevant theoretical examinations for a CPL in the same aircraft category is credited towards the theoretical knowledge requirements in the following subjects:

- Human Performance,
- Meteorology.]

4.2. An applicant for an IR(H) having passed the relevant theoretical examinations for an ATPL(H) VFR is required to pass the following examination subjects:

- Air Law,
- Flight Planning and Flight Monitoring,
- Radio Navigation,
- IFR Communications.

Status: Point in time view as at 31/01/2020.

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not certified as transport category aeroplanes (JAR/FAR 25) or as commuter category aeroplanes (SFAR 23), the approach with simulated engine failure and the ensuing go-around shall be initiated in conjunction with the non-precision approach as described in 3.8.4. The go-around shall be initiated when reaching the published obstacle clearance height/

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| <p>altitude (OCH/ A); however, not later than reaching an MDH/ A of 500 ft above the runway threshold elevation. In aeroplanes having the same performance as a transport category aeroplane regarding take- off mass and density altitude, the instructor may simulate the engine failure in accordance with 3.8.3.4.</p> | | | |
| <p>3.8.3.5.* Manually, with one engine</p> | <p>P-----> -----></p> | | <p>M</p> |

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| | | | | | |
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| | to the MDH/ A | | | | |
| 3.8.5. | <p>P*---></p> <p>Circling approach under the following conditions:</p> <p>(a)* approach to the authorised minimum circling approach altitude at the aerodrome in question in accordance with the local instrument approach facilities in simulated instrument flight conditions; followed by:</p> <p>(b) circling approach to another runway at least 90° off centreline from the final approach</p> | -----> | | | |

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| | used in item (a), at the authorised minimum circling approach altitude. | | | | |
| | <i>Remark:</i> If (a) and (b) are not possible due to ATC reasons, a simulated low visibility pattern may be performed. | | | | |
| 3.8.6. | P----> Visual approaches | -----> | | | |
| SECTION 4 | | | | | |
| 4 | Missed approach procedures | | | | |
| 4.1. | P*---> Go- around with all engines operating* during a 3D operation on reaching decision height | -----> | | | |
| 4.2. | P*---> Go- around with all engines | -----> | | | |

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| | | | | | |
|------------------|---|-------|--|---|--|
| | operating* from various stages during an instrument approach | | | | |
| 4.3. | P*----> Other missed approach procedures | ----> | | | |
| 4.4* | P*-----> Manual go- around with the critical engine simulated inoperative after an instrument approach on reaching DH, MDH or MAPt | ----> | | M | |
| 4.5. | P-----> Rejected landing with all engines operating: — from various heights below DH/ MDH; — after touchdown (balked landing) | ----> | | | |
| In aeroplanes | | | | | |

Status: Point in time view as at 31/01/2020.

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|--|---|---|--|-----------------|--|
| <p>which are not certificated as transport category aeroplanes (JAR/FAR 25) or as commuter category aeroplanes (SFAR 23), the rejected landing with all engines operating shall be initiated below MDH/A or after touchdown.</p> | | | | | |
| SECTION 5 | | | | | |
| <p>5</p> | <p>P Landings</p> | | | | |
| <p>5.1.</p> | <p>Normal landings* with visual reference established when reaching DA/H following an instrument approach operation</p> | | | | |
| <p>5.2.</p> | <p>P-----> Landing with simulated jammed horizontal stabiliser in any out-of-</p> | <p>An aeroplane shall not be used for this exercise</p> | | <p>FFS only</p> | |

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| | | | | | |
|------|---|--------|--|---------------------------------------|--|
| | trim position | | | | |
| 5.3. | P-----> Crosswind landings (aircraft, if practicable) | -----> | | | |
| 5.4. | P-----> Traffic pattern and landing without extended or with partly extended flaps and slats | -----> | | | |
| 5.5. | P-----> Landing with critical engine simulated inoperative | -----> | | M | |
| 5.6. | P Landing with two engines inoperative: aeroplanes with three engines: the centre engine and one outboard engine as far as practicable according to | X | | M FFS only (skill test only) | |

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| | | | | | |
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| — | data of the AFM; and aeroplanes with four engines: two engines at one side | | | | |
|---|--|--|--|--|--|

General remarks:
 Special requirements for the extension of a type rating for instrument approaches down to a decision height of less than 200 ft (60 m), i.e. CAT II/III operations.

SECTION 6

| | | | | | |
|---|--|--|--|--|--|
| Additional authorisation on a type rating for instrument approaches down to a DH of less than 60 m (200 ft) (CAT II/III) The following manoeuvres and procedures are the minimum training requirements to permit instrument approaches down to a DH of less than 60 m (200 ft). During the following instrument approaches and missed approach procedures, | | | | | |
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| | | | | | |
|--|---------|--|--|----|--|
| all aeroplane equipment required for type certification of instrument approaches down to a DH of less than 60 m (200 ft) shall be used. | | | | | |
| 6.1* Rejected take- off at minimum authorised runway visual range (RVR) | P*----> | ---->X An aeroplane shall not be used for this exercise | | M* | |
| 6.2* CAT II/ III approaches: in simulated instrument flight conditions down to the applicable DH, using flight guidance system. Standard procedures of crew coordination (task sharing, call-out procedures, mutual surveillance, information | P-----> | -----> | | M | |

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| | | | | |
|---|---------|--------|--|----|
| exchange and support) shall be observed. | | | | |
| 6.3* Go-around: after approaches as indicated in 6.2 on reaching DH. The training shall also include a go-around due to (simulated) insufficient RVR, wind shear, aeroplane deviation in excess of approach limits for a successful approach, ground/airborne equipment failure prior to reaching DH, and go-around with simulated airborne equipment failure. | P-----> | -----> | | M* |
| 6.4* Landing(s): with visual reference established at DH following an instrument approach. Depending on the specific | P-----> | -----> | | M |

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| | | | | | |
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| flight guidance system, an automatic landing shall be performed. | | | | | |
|--|--|--|--|--|--|

NOTE: CAT II/III operations shall be performed in accordance with the applicable air operations requirements.

7. Class ratings — sea

Section 6 shall be completed to revalidate a multi-engine class rating sea, VFR only, where the required experience of 10 route sectors within the previous 12 months has not been completed.

| CLASS RATING SEA | PRACTICAL TRAINING | CLASS RATING SKILL TEST OR PROFICIENCY CHECK |
|---|--|---|
| Manoeuvres/procedures | Instructor's initials when training completed | Examiner's initials when test completed |
| SECTION 1 | | |
| 1 Departure | | |
| 1.1. Preflight including: — documentation; — mass and balance; — weather briefing; and — NOTAM. | | |
| 1.2. Pre-start checks External/internal | | |
| 1.3. Engine start-up and shutdown Normal malfunctions | | |
| 1.4. Taxiing | | |
| 1.5. Step taxiing | | |
| 1.6. Mooring: | Beach Jetty pier Buoy | |
| 1.7. Engine-off sailing | | |
| 1.8. Pre-departure checks: Engine run-up (if applicable) | | |

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| | | | |
|------------------|--|--|--|
| 1.9. | Take-off procedure: — normal with flight manual flap settings; and — crosswind (if conditions are available). | | |
| 1.10. | Climbing: — turns onto headings — level off | | |
| 1.11. | ATC liaison — compliance, R/T procedures | | |
| SECTION 2 | | | |
| 2 | Airwork (VFR) | | |
| 2.1. | Straight and level flight at various airspeeds including flight at critically low airspeed with and without flaps (including approach to VMCA when applicable) | | |
| 2.2. | Steep turns (360° left and right at 45° bank) | | |
| 2.3. | Stalls and recovery: (i) clean stall; (ii) approach to stall in descending turn with bank with approach configuration and power; (iii) approach to stall in landing configuration and power; and (iv) approach to stall, climbing turn with take-off flap and climb power (single-engine aeroplanes only). | | |
| 2.4. | ATC liaison — compliance, R/T procedures | | |
| SECTION 3 | | | |
| 3 | En route procedures VFR | | |
| 3.1. | Flight plan, dead reckoning and map reading | | |
| 3.2. | Maintenance of altitude, heading and speed | | |
| 3.3. | Orientation, timing and revision of ETAs | | |

Status: Point in time view as at 31/01/2020.

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| | | | |
|------------------|--|--|--|
| 3.4. | Use of radio navigation aids (if applicable) | | |
| 3.5. | Flight management (flight log, routine checks including fuel, systems and icing) | | |
| 3.6. | ATC liaison — compliance, R/T procedures | | |
| SECTION 4 | | | |
| 4 | Arrivals and landings | | |
| 4.1. | Aerodrome arrival procedure (amphibians only) | | |
| 4.2. | Normal landing | | |
| 4.3. | Flapless landing | | |
| 4.4. | Crosswind landing (if suitable conditions) | | |
| 4.5. | Approach and landing with idle power from up to 2 000' above the water (single-engine aeroplanes only) | | |
| 4.6. | Go-around from minimum height | | |
| 4.7. | Glassy water landing Rough water landing | | |
| 4.8. | ATC liaison — compliance, R/T procedures | | |
| SECTION 5 | | | |
| 5 | Abnormal and emergency procedures (This section may be combined with Sections 1 through 4.) | | |
| 5.1. | Rejected take-off at a reasonable speed | | |
| 5.2. | Simulated engine failure after take-off (single-engine aeroplanes only) | | |

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| | | | |
|------------------|---|--|--|
| 5.3. | Simulated forced landing without power (single-engine aeroplanes only) | | |
| 5.4. | Simulated emergencies: (i) fire or smoke in flight; and (ii) systems' malfunctions as appropriate. | | |
| 5.5. | ATC liaison — compliance, R/T procedures | | |
| SECTION 6 | | | |
| 6 | Simulated asymmetric flight (This section may be combined with Sections 1 through 5.) | | |
| 6.1. | Simulated engine failure during take-off (at a safe altitude unless carried out in an FFS and an FNPT II) | | |
| 6.2. | Engine shutdown and restart (ME skill test only) | | |
| 6.3. | Asymmetric approach and go-around | | |
| 6.4. | Asymmetric approach and full-stop landing | | |
| 6.5. | ATC liaison — compliance, R/T procedures | | |

C. Specific requirements for the helicopter category

1. In the case of skill test or proficiency check for type ratings and the ATPL, applicants shall pass Sections 1 to 4 and 6 (as applicable) of the skill test or proficiency check. Failure in more than five items will require applicants to repeat the entire test or check. Applicants failing not more than five items shall repeat the failed items. Failure in any item in the case of a retest or a recheck or failure in any other items already passed will require the applicants to repeat the entire test or check again. All sections of the skill test or proficiency check shall be completed within 6 months.
2. In the case of proficiency check for an IR, applicants shall pass Section 5 of the proficiency check. Failure in more than 3 items will require applicants to repeat the entire Section 5. Applicants failing not more than 3 items shall repeat the failed items. Failure in any item in the case of a recheck or failure in any other items of Section 5 already passed will require applicants to repeat the entire check.

FLIGHT TEST TOLERANCE

Status: Point in time view as at 31/01/2020.

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3. Applicants shall demonstrate the ability to:
- (a) operate the helicopter within its limitations;
 - (b) complete all manoeuvres with smoothness and accuracy;
 - (c) exercise good judgement and airmanship;
 - (d) apply aeronautical knowledge;
 - (e) maintain control of the helicopter at all times in such a manner that the successful outcome of a procedure or manoeuvre is never in doubt;
 - (f) understand and apply crew coordination and incapacitation procedures, if applicable; and
 - (g) communicate effectively with the other crew members, if applicable.
4. The following limits shall apply, corrected to make allowance for turbulent conditions and the handling qualities and performance of the helicopter used.
- (a) IFR flight limits

Height

| | |
|--|---|
| Generally | ± 100 ft |
| Starting a go-around at decision height/altitude | + 50 ft/– 0 ft |
| Minimum descent height/MAPt/altitude | + 50 ft/– 0 ft |
| Tracking | |
| On radio aids | $\pm 5^\circ$ |
| For ‘angular’ deviations | Half-scale deflection, azimuth and glide path (e.g. LPV, ILS, MLS, GLS) |
| 2D (LNAV) and 3D (LNAV/VNAV) ‘linear’ lateral deviations | cross-track error/deviation shall normally be limited to $\pm \frac{1}{2}$ of the RNP value associated with the procedure. Brief deviations from this standard up to a maximum of one time the RNP value are allowable. |
| 3D linear vertical deviations (e.g. RNP APCH (LNAV/VNAV) using BaroVNAV) | not more than – 75 ft below the vertical profile at any time, and not more than + 75 ft above the vertical profile at or below 1 000 ft above aerodrome level. |

Heading

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| | |
|-------------------------------|----------------------|
| all engines operating | $\pm 5^\circ$ |
| with simulated engine failure | $\pm 10^\circ$ |
| Speed | |
| all engines operating | ± 5 knots |
| with simulated engine failure | + 10 knots/– 5 knots |

(b) VFR flight limits

| | |
|---------------------------------|---|
| Height | |
| Generally | ± 100 ft |
| Heading | |
| Normal operations | $\pm 5^\circ$ |
| Abnormal operations/emergencies | $\pm 10^\circ$ |
| Speed | |
| Generally | ± 10 knots |
| With simulated engine failure | + 10 knots/– 5 knots |
| Ground drift | |
| T.O. hover I.G.E. | ± 3 ft |
| Landing | ± 2 ft (with 0 ft rearward or lateral flight) |

CONTENTS
GENERAL
OF THE
TRAINING/
SKILL
TEST/
PROFICIENCY
CHECK

5. The following symbol means:

P = Trained as PIC for the issue of a type rating for single-pilot helicopters (SPH) or trained as PIC or co-pilot and as PF and PM for the issue of a type rating for multi pilot helicopters (MPH).

6. The practical training shall be conducted at least at the training equipment level shown as (P), or may be conducted up to any higher equipment level shown by the arrow (---->).

The following abbreviations are used to indicate the training equipment used:

| | |
|-------|------------------------|
| FFS = | full-flight simulator |
| FTD = | flight training device |

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| | |
|-----|------------|
| H = | helicopter |
|-----|------------|

7. The starred items (*) shall be flown in actual or simulated IMC, only by applicants wishing to renew or revalidate an IR(H) or extend the privileges of that rating to another type.
8. Instrument flight procedures (Section 5) shall be performed only by applicants wishing to renew or revalidate an IR(H) or extend the privileges of that rating to another type. An FFS or an FTD 2/3 may be used for this purpose.
9. Where the letter ‘M’ appears in the skill test or proficiency check column, this will indicate a mandatory exercise.
10. An FSTD shall be used for practical training and testing if the FSTD forms part of a type rating course. The following considerations will apply to the course:
 - (a) the qualification of the FSTD as set out in the relevant requirements of Annex VI (Part-ARA) and Annex VII (Part-ORA);
 - (b) the qualifications of the instructor and examiner;
 - (c) the amount of FSTD training provided on the course;
 - (d) the qualifications and previous experience in similar types of the pilots under training; and
 - (e) the amount of supervised flying experience provided after the issue of the new type rating.

MULTI-PILOT HELICOPTERS

11. Applicants for the skill test for the issue of the multi-pilot helicopter type rating and ATPL(H) shall pass only Sections 1 to 4 and, if applicable, Section 6.
12. Applicants for the revalidation or renewal of the multi-pilot helicopter type rating proficiency check shall pass only Sections 1 to 4 and, if applicable, Section 6.

| SINGLE/ MULTI-PILOT HELICOPTERS | PRACTICAL TRAINING | | | SKILL TEST OR PROFICIENCY CHECK | |
|---------------------------------------|--------------------|---|---|---------------------------------------|--|
| | FSTD | H | Instructor initials when training completed | Checked in FSTD or H | Examiner initials when test completed |

SECTION 1 — Preflight preparations and checks

| | | | | | | |
|-----|--|--|---|--|------------------------------------|--|
| 1.1 | Helicopter exterior visual inspection; location of each item and purpose of inspection | | P | | M (if performed in the helicopter) | |
|-----|--|--|---|--|------------------------------------|--|

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| | | | | | | |
|---|--|---|-------|--|---|--|
| 1.2 | Cockpit inspection | P | ----> | | M | |
| 1.3 | Starting procedures, radio and navigation equipment check, selection and setting of navigation and communication frequencies | P | ----> | | M | |
| 1.4 | Taxiing/air taxiing in compliance with ATC instructions or with instructions of an instructor | P | ----> | | M | |
| 1.5 | Pre-take-off procedures and checks | P | ----> | | M | |
| SECTION 2 — Flight manoeuvres and procedures | | | | | | |
| 2.1 | Take-offs (various profiles) | P | ----> | | M | |
| 2.2 | Sloping ground or crosswind take-offs & landings | P | ----> | | | |
| 2.3 | Take-off at maximum take-off mass (actual or simulated maximum take-off mass) | P | ----> | | | |
| 2.4 | Take-off with simulated | P | ----> | | M | |

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| | | | | | | |
|-------|---|---|-------|--|---|--|
| | engine failure shortly before reaching TDP or DPATO | | | | | |
| 2.4.1 | Take-off with simulated engine failure shortly after reaching TDP or DPATO | P | ----> | | M | |
| 2.5 | Climbing and descending turns to specified headings | P | ----> | | M | |
| 2.5.1 | Turns with 30° bank, 180° to 360° left and right, by sole reference to instruments | P | ----> | | M | |
| 2.6 | Autorotative descent | P | ----> | | M | |
| 2.6.1 | For single-engine helicopters (SEH) autorotative landing or for multi-engine helicopters (MEH) power recovery | P | ----> | | M | |
| 2.7 | Landings, various profiles | P | ----> | | M | |

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| | | | | | | |
|-------|--|---|-------|--|---|--|
| 2.7.1 | Go-around or landing following simulated engine failure before LDP or DPBL | P | ----> | | M | |
| 2.7.2 | Landing following simulated engine failure after LDP or DPBL | P | ----> | | M | |

SECTION 3 — Normal and abnormal operations of the following systems and procedures

| | | | | | | |
|-----|---|---|-------|--|---|--|
| 3 | Normal and abnormal operations of the following systems and procedures: | | | | M | A mandatory minimum of 3 items shall be selected from this section |
| 3.1 | Engine | P | ----> | | | |
| 3.2 | Air conditioning (heating, ventilation) | P | ----> | | | |
| 3.3 | Pitot/static system | P | ----> | | | |
| 3.4 | Fuel system | P | ----> | | | |
| 3.5 | Electrical system | P | ----> | | | |
| 3.6 | Hydraulic system | P | ----> | | | |
| 3.7 | Flight control and trim system | P | ----> | | | |
| 3.8 | Anti-icing and de-icing system | P | ----> | | | |

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| | | | | | | |
|------|--|---|--------|--|--|--|
| 3.9 | Autopilot/ flight director | P | ---> | | | |
| 3.10 | Stability augmentation devices | P | ----> | | | |
| 3.11 | Weather radar, radio altimeter, transponder | P | ----> | | | |
| 3.12 | Area navigation system | P | ----> | | | |
| 3.13 | Landing gear system | P | -----> | | | |
| 3.14 | APU | P | ----> | | | |
| 3.15 | Radio, navigation equipment, instruments and FMS | P | ----> | | | |

SECTION 4 — Abnormal and emergency procedures

| | | | | | | |
|-----|---|---|-------|--|---|---|
| 4 | Abnormal and emergency procedures | | | | M | A mandatory minimum of 3 items shall be selected from this section |
| 4.1 | Fire drills (including evacuation if applicable) | P | ----> | | | |
| 4.2 | Smoke control and removal | P | ----> | | | |
| 4.3 | Engine failures, shutdown and restart at a safe height | P | ----> | | | |

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| | | | | | | |
|-------|---|---|--|--|--|--|
| 4.4 | Fuel dumping (simulated) | P | ----> | | | |
| 4.5 | Tail rotor control failure (if applicable) | P | ----> | | | |
| 4.5.1 | Tail rotor loss (if applicable) | P | A helicopter shall not be used for this exercise | | | |
| 4.6 | Incapacitation of crew member — MPH only | P | ----> | | | |
| 4.7 | Transmission malfunctions | P | ----> | | | |
| 4.8 | Other emergency procedures as outlined in the appropriate flight manual | P | ----> | | | |

SECTION 5 — Instrument flight procedures (to be performed in IMC or simulated IMC)

| | | | | | | |
|-------|--|----|--------|--|----|--|
| 5.1 | Instrument take-off: transition to instrument flight is required as soon as possible after becoming airborne | P* | ---->* | | | |
| 5.1.1 | Simulated engine failure during departure | P* | ---->* | | M* | |
| 5.2 | Adherence to departure and arrival | P* | ---->* | | M* | |

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| | | | | | | |
|-------|--|----|--------|--|----|--|
| | routes and ATC instructions | | | | | |
| 5.3 | Holding procedures | P* | ---->* | | | |
| 5.4 | 3D operations to DH/A of 200 ft (60 m) or to higher minima if required by the approach procedure | P* | ---->* | | | |
| 5.4.1 | Manually, without flight director. Note: According to the AFM, RNP APCH procedures may require the use of autopilot or flight director. The procedure to be flown manually shall be chosen taken into account such limitations (for example, choose an ILS for 5.4.1 in the case of such AFM limitation). | P* | ---->* | | M* | |

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| | | | | | | |
|-------|--|----|--------|--|----|--|
| 5.4.2 | Manually, with flight director | P* | ---->* | | M* | |
| 5.4.3 | With coupled autopilot | P* | ---->* | | | |
| 5.4.4 | Manually, with one engine simulated inoperative; engine failure has to be simulated during final approach before passing 1 000 ft above aerodrome level until touchdown or until completion of the missed approach procedure | P* | ---->* | | M* | |
| 5.5 | 2D operations down to the MDA/H | P* | ---->* | | M* | |
| 5.6 | Go-around with all engines operating on reaching DA/H or MDA/MDH | P* | ---->* | | | |
| 5.6.1 | Other missed approach procedures | P* | ---->* | | | |
| 5.6.2 | Go-around with one engine | P* | ---->* | | M* | |

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| | | | | | | |
|--|---|----|--------|--|----|--|
| | simulated inoperative on reaching DA/H or MDA/MDH | | | | | |
| 5.7 | IMC autorotation with power recovery | P* | ---->* | | M* | |
| 5.8 | Recovery from unusual attitudes | P* | ---->* | | M* | |
| SECTION 6 — Use of optional equipment | | | | | | |
| 6 | Use of optional equipment | P | ----> | | | |

D. Specific requirements for the powered-lift aircraft category

1. In the case of skill tests or proficiency checks for powered-lift aircraft type ratings, applicants shall pass Sections 1 to 5 and 6 (as applicable) of the skill test or proficiency check. Failure in more than five items will require applicants to repeat the entire test or check. Applicants failing not more than five items shall repeat the failed items. Failure in any item in the case of a retest or a recheck or failure in any other items already passed will require applicants to repeat the entire test or check. All sections of the skill test or proficiency check shall be completed within 6 months.

FLIGHT TEST TOLERANCE

2. Applicants shall demonstrate the ability to:
 - (a) operate the powered-lift aircraft within its limitations;
 - (b) complete all manoeuvres with smoothness and accuracy;
 - (c) exercise good judgement and airmanship;
 - (d) apply aeronautical knowledge;
 - (e) maintain control of the powered-lift aircraft at all times in such a manner that the successful outcome of a procedure or manoeuvre is never in doubt;
 - (f) understand and apply crew coordination and incapacitation procedures; and
 - (g) communicate effectively with the other crew members.
3. The following limits shall apply, corrected to make allowance for turbulent conditions and the handling qualities and performance of the powered-lift aircraft used.

(a) IFR flight limits

| | |
|--------|--|
| Height | |
|--------|--|

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| | |
|--|---|
| Generally | ± 100 ft |
| Starting a go-around at decision height/altitude | + 50 ft/- 0 ft |
| Minimum descent height/altitude | + 50 ft/- 0 ft |
| Tracking | |
| On radio aids | ± 5° |
| Precision approach | half-scale deflection, azimuth and glide path |
| Heading | |
| Normal operations | ± 5° |
| Abnormal operations/emergencies | ± 10° |
| Speed | |
| Generally | ± 10 knots |
| With simulated engine failure | + 10 knots/- 5 knots |

(b) VFR flight limits:

| | |
|---------------------------------|---|
| Height | |
| Generally | ± 100 ft |
| Heading | |
| Normal operations | ± 5° |
| Abnormal operations/emergencies | ± 10° |
| Speed | |
| Generally | ± 10 knots |
| With simulated engine failure | + 10 knots/- 5 knots |
| Ground drift | |
| T.O. hover I.G.E. | ± 3 ft |
| Landing | ± 2 ft (with 0 ft rearward or lateral flight) |

CONTENT OF THE TRAINING/SKILL TEST/PROFICIENCY CHECK

4. The following symbol means:
 P = Trained as PIC or co-pilot and as PF and PM for the issue of a type rating as applicable
5. The practical training shall be conducted at least at the training equipment level shown as (P), or may be conducted up to any higher equipment level shown by the arrow (---->).
6. The following abbreviations are used to indicate the training equipment used:

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| | |
|-------|------------------------|
| FFS = | full-flight simulator |
| FTD = | flight training device |
| OTD = | other training device |
| PL = | powered-lift aircraft |

- (a) Applicants for the skill test for the issue of the powered-lift aircraft type rating shall pass Sections 1 to 5 and, if applicable, Section 6.
- (b) Applicants for the revalidation or renewal of the powered-lift aircraft type rating proficiency check shall pass Sections 1 to 5 and, if applicable, Section 6 and/or Section 7.
- (c) The starred items (*) shall be flown solely by reference to instruments. If this condition is not met during the skill test or proficiency check, the type rating will be restricted to VFR only.
7. Where the letter ‘M’ appears in the skill test or proficiency check column, this will indicate a mandatory exercise.
8. FSTDs shall be used for practical training and testing if they form part of an approved type rating course. The following considerations will apply to the approval of the course:
- (a) the qualification of the FSTDs as set out in the relevant requirements of Annex VI (Part-ARA) and Annex VII (Part-ORA); and
- (b) the qualifications of the instructor.

| POWERED-LIFT AIRCRAFT CATEGORY | PRACTICAL TRAINING | | | | SKILL TEST OR PROFICIENCY CHECK | |
|--------------------------------|-----------------------|-----|-----|-----|---------------------------------|---|
| | Manoeuvres/procedures | OTD | FTD | FFS | PL | Instructor's initials when training completed |

SECTION 1 — Preflight preparations and checks

| | | | | | | | |
|-----|---|--|--|--|---|--|--|
| 1.1 | Powered-lift aircraft exterior visual inspection; location of each item and purpose of inspection | | | | P | | |
|-----|---|--|--|--|---|--|--|

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| | | | | | | | | |
|---|--|---|-------|-------|-------|--|---|--|
| 1.2 | Cockpit P inspection | | ----> | ----> | ----> | | | |
| 1.3 | Starting P procedures, radio and navigation equipment check, selection and setting of navigation and communication frequencies | | ----> | ----> | ----> | | M | |
| 1.4 | Taxiing in compliance with ATC instructions or with instructions of an instructor | | P | ----> | ----> | | | |
| 1.5 | Pre-take-off procedures and checks including power check | P | ----> | ----> | ----> | | M | |
| SECTION 2 — Flight manoeuvres and procedures | | | | | | | | |
| 2.1 | Normal VFR take-off profiles: | | P | ----> | ----> | | M | |
| | Runway operations (short take-off and landing (STOL) and vertical | | | | | | | |

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| | | | | | | | |
|-------|---|--|---|-------|--|---|--|
| | | take-off and landing (VTOL)) including crosswind Elevated heliports Ground level heliports | | | | | |
| 2.2 | Take-off at maximum take-off mass (actual or simulated maximum take-off mass) | | P | ----> | | | |
| 2.3.1 | Rejected take-off: — — — | during runway operations; during elevated heliport operations; and during ground level operations. | P | ----> | | M | |
| 2.3.2 | Take-off with simulated engine failure after passing decision point: | during runway operations; | P | ----> | | M | |

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| | | | | | | | |
|-------|---|---|-------|-------|-------|--|------------------|
| | | during elevated heliport operations; and during ground level operations. | | | | | |
| 2.4 | Autorotative descent in helicopter mode to ground (an aircraft shall not be used for this exercise) | P | ----> | ----> | | | M FFS only |
| 2.4.1 | Windmill descent in aeroplane mode (an aircraft shall not be used for this exercise) | P | | ----> | | | M FFS only |
| 2.5 | Normal VFR landing profiles: | P | | ----> | ----> | | M |
| | | runway operations (STOL and VTOL) elevated heliports ground level heliports | | | | | |
| 2.5.1 | Landing with | | | | | | |

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| | | | | | | | |
|--|---|---|-------|-------|--|---|--|
| | simulated engine failure after reaching decision point: — during runway operations; — during elevated heliport operations; — and during ground level operations. | | | | | | |
| 2.6 | Go-around or landing following simulated engine failure before decision point | P | ----> | | | M | |
| SECTION 3 — Normal and abnormal operations of the following systems and procedures: | | | | | | | |
| 3 | Normal and abnormal operations of the following systems and procedures (may be completed in an FSTD if qualified for the exercise): | | | | | M | A mandatory minimum of 3 items shall be selected from this section |
| 3.1 | Engine | P | ----> | ----> | | | |

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| | | | | | | | | |
|------|---|---|-------|-------|--|--|--|--|
| 3.2 | Pressurisation and air conditioning (heating, ventilation) | | ----> | ----> | | | | |
| 3.3 | Pitot/static system | P | ----> | ----> | | | | |
| 3.4 | Fuel system | P | ----> | ----> | | | | |
| 3.5 | Electrical system | P | ----> | ----> | | | | |
| 3.6 | Hydraulic system | P | ----> | ----> | | | | |
| 3.7 | Flight control and trim system | P | ----> | ----> | | | | |
| 3.8 | Anti-icing and de-icing system, glare shield heating (if fitted) | P | ----> | ----> | | | | |
| 3.9 | Autopilot flight director | P | ---> | ---> | | | | |
| 3.10 | Stall warning devices or stall avoidance devices and stability augmentation devices | P | ----> | ----> | | | | |
| 3.11 | Weather radar, radio altimeter, transponder, ground | P | ----> | ----> | | | | |

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| | | | | | | | |
|------|--|---|-------|-------|--|--|--|
| | proximity warning system (if fitted) | | | | | | |
| 3.12 | Landing gear system | P | ----> | ----> | | | |
| 3.13 | APU | P | ----> | ----> | | | |
| 3.14 | Radio, navigation equipment, instruments and FMS | P | ----> | ----> | | | |
| 3.15 | Flap system | P | ----> | ----> | | | |

SECTION 4 — Abnormal and emergency procedures

| | | | | | | | |
|-----|--|---|-------|-------|--|---|--|
| 4 | Abnormal and emergency procedures (may be completed in an FSTD if qualified for the exercise) | | | | | M | A mandatory minimum of 3 items shall be selected from this section |
| 4.1 | Fire drills, engine, APU, cargo compartment, flight deck and electrical fires including evacuation if applicable | P | ----> | ----> | | | |
| 4.2 | Smoke control | P | ----> | ----> | | | |

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| | | | | | | | |
|-----|---|---|-------|-------|--|--|----------|
| | and removal | | | | | | |
| 4.3 | Engine failures, shutdown and restart (an aircraft shall not be used for this exercise) including one engine inoperative conversion from helicopter to aeroplane modes and vice versa | P | ----> | ----> | | | FFS only |
| 4.4 | Fuel dumping (simulated, if fitted) | P | ----> | ----> | | | |
| 4.5 | Wind shear at take-off and landing (an aircraft shall not be used for this exercise) | | | P | | | FFS only |
| 4.6 | Simulated cabin pressure failure/emergency descent (an | P | ----> | ----> | | | FFS only |

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| | | | | | | | | |
|------|---|---|-------|-------|--|--|--|----------|
| | aircraft shall not be used for this exercise) | | | | | | | |
| 4.7 | ACAS event (an aircraft shall not be used for this exercise) | P | ----> | ----> | | | | FFS only |
| 4.8 | Incapacitation of crew member | | ----> | ----> | | | | |
| 4.9 | Transmission malfunctions | | ----> | ----> | | | | FFS only |
| 4.10 | Recovery from a full stall (power on and off) or after activation of stall warning devices in climb, cruise and approach configurations (an aircraft shall not be used for this exercise) | P | ----> | ----> | | | | FFS only |
| 4.11 | Other emergency procedures as detailed | P | ----> | ----> | | | | |

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| | | | | | | | |
|---|--|----|--------|--------|--|----|--|
| | in the appropriate flight manual | | | | | | |
| SECTION 5 — Instrument flight procedures (to be performed in IMC or simulated IMC) | | | | | | | |
| 5.1 | Instrument take-off: transition to instrument flight is required as soon as possible after becoming airborne | P* | ---->* | ---->* | | | |
| 5.1.1 | Simulated engine failure during departure after decision point | P* | ---->* | ---->* | | M* | |
| 5.2 | Adherence to departure and arrival routes and ATC instructions | P* | ---->* | ---->* | | M* | |
| 5.3 | Holding procedures | P* | ---->* | ---->* | | | |
| 5.4 | Precision approach down to a decision height not less than 60 m (200 ft) | P* | ---->* | ---->* | | | |

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| | | | | | | | | |
|-------|---|----|--------|--------|--|--|----------------------|--|
| 5.4.1 | Manually without flight director | P* | ---->* | ---->* | | | M* (Skill test only) | |
| 5.4.2 | Manually with flight director | P* | ---->* | ---->* | | | | |
| 5.4.3 | With use of autopilot | P* | ---->* | ---->* | | | | |
| 5.4.4 | Manually with one engine simulated inoperative; engine failure has to be simulated during final approach before passing the OM and continued either to touchdown or until completion of the missed approach procedure | P* | ---->* | ---->* | | | M* | |
| 5.5 | Non-precision approach down to the MDA/H | P* | ---->* | ---->* | | | M* | |
| 5.6 | Go-around with all engines | P* | ---->* | ---->* | | | | |

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| | | | | | | | |
|-------|--|----|--------|--------|--|----------------|--|
| | operating on reaching DA/H or MDA/MDH | | | | | | |
| 5.6.1 | Other missed approach procedures | P* | ---->* | ---->* | | | |
| 5.6.2 | Go-around with one engine simulated inoperative on reaching DA/H or MDA/MDH | P* | | | | M* | |
| 5.7 | IMC autorotation with power recovery to land on runway in helicopter mode only (an aircraft shall not be used for this exercise) | P* | ---->* | ---->* | | M* FFS only | |
| 5.8 | Recovery from unusual attitudes (this one depends on the | P* | ---->* | ---->* | | M* | |

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| | | | | | | | |
|--|---|--|--|--|--|--|--|
| | quality of the FFS) | | | | | | |
| SECTION 6 — Additional authorisation on a type rating for instrument approaches down to a decision height of less than 60 m (200 ft) (CAT II/III) | | | | | | | |
| 6 | Additional authorisation on a type rating for instrument approaches down to a decision height of less than 60 m (CAT II/III). The following manoeuvres and procedures are the minimum training requirements to permit instrument approaches down to a DH of less than 60 m (200 ft). During the following instrument approaches and missed approach procedures, all powered-lift aircraft | | | | | | |

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| | | | | | | | |
|-----|---|---|-------|-------|--|----|--|
| | equipment required for the type certification of instrument approaches down to a DH of less than 60 m (200 ft) shall be used. | | | | | | |
| 6.1 | Rejected take-off at minimum authorised RVR | P | ----> | | | M* | |
| 6.2 | ILS approaches: in simulated instrument flight conditions down to the applicable DH, using flight guidance system. Standard operating procedures (SOPs) of crew coordination shall be observed. | P | ----> | ----> | | M* | |
| 6.3 | Go-around: after approaches as indicated | P | ----> | ----> | | M* | |

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| | | | | | | |
|-----|--|---|-------|--|--|----|
| | <p>in 6.2 on reaching DH. The training shall also include a go-around due to (simulated) insufficient RVR, wind shear, aircraft deviation in excess of approach limits for a successful approach, ground/airborne equipment failure prior to reaching DH, and go-around with simulated airborne equipment failure.</p> | | | | | |
| 6.4 | Landing(s): with visual reference established at DH following an instrument approach. Depending | P | ----> | | | M* |

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| | | | | | | | |
|---------------------------------------|--|---|-------|-------|--|--|--|
| | on the specific flight guidance system, an automatic landing shall be performed. | | | | | | |
| SECTION 7 — Optional equipment | | | | | | | |
| 7 | Use of optional equipment | P | ----> | ----> | | | |

E. Specific requirements for the airship category

1. In the case of skill tests or proficiency checks for airship type ratings, applicants shall pass Sections 1 to 5 and 6 (as applicable) of the skill test or proficiency check. Failure in more than five items will require applicants to repeat the entire test or check. Applicants failing not more than five items shall take the failed items again. Failure in any item in the case of a retest or a recheck, or failure in any other items already passed will require applicants to repeat the entire test or check again. All sections of the skill test or proficiency check shall be completed within 6 months.

FLIGHT TEST TOLERANCE

2. Applicants shall demonstrate the ability to:
 - (a) operate the airship within its limitations;
 - (b) complete all manoeuvres with smoothness and accuracy;
 - (c) exercise good judgement and airmanship;
 - (d) apply aeronautical knowledge;
 - (e) maintain control of the airship at all times in such a manner that the successful outcome of a procedure or manoeuvre is never in doubt;
 - (f) understand and apply crew coordination and incapacitation procedures; and
 - (g) communicate effectively with the other crew members.
3. The following limits shall apply, corrected to make allowance for turbulent conditions and the handling qualities and performance of the airship used.
 - (a) **IFR flight limits:**

| | |
|--|----------------|
| Height | |
| Generally | ± 100 ft |
| Starting a go-around at decision height/altitude | + 50 ft/- 0 ft |
| Minimum descent height/altitude | + 50 ft/- 0 ft |

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| | |
|---------------------------------|---|
| Tracking | |
| On radio aids | $\pm 5^\circ$ |
| Precision approach | half-scale deflection, azimuth and glide path |
| Heading | |
| Normal operations | $\pm 5^\circ$ |
| Abnormal operations/emergencies | $\pm 10^\circ$ |

(b) VFR flight limits:

| | |
|---------------------------------|----------------|
| Height | |
| Generally | ± 100 ft |
| Heading | |
| Normal operations | $\pm 5^\circ$ |
| Abnormal operations/emergencies | $\pm 10^\circ$ |

CONTENT OF THE TRAINING/SKILL TEST/PROFICIENCY CHECK

4. The following symbol means:

P = Trained as PIC or co-pilot and as PF and PM for the issue of a type rating as applicable.

5. The practical training shall be conducted at least at the training equipment level shown as (P), or may be conducted up to any higher equipment level shown by the arrow (---->).

6. The following abbreviations are used to indicate the training equipment used:

| | |
|-------|------------------------|
| FFS = | full-flight simulator |
| FTD = | flight training device |
| OTD = | other training device |
| As = | airship |

(a) Applicants for the skill test for the issue of the airship shall pass Sections 1 to 5 and, if applicable, Section 6.

(b) Applicants for the revalidation or renewal of the airship type rating proficiency check shall pass Sections 1 to 5 and, if applicable Section 6.

(c) The starred items (*) shall be flown solely by reference to instruments. If this condition is not met during the skill test or proficiency check, the type rating will be restricted to VFR only.

7. Where the letter 'M' appears in the skill test or proficiency check column, this will indicate a mandatory exercise.

8. FSTDs shall be used for practical training and testing if they form part of a type rating course. The following considerations will apply to the course:

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- (a) the qualification of the FSTDs as set out in the relevant requirements of Annex VI (Part-ARA) and Annex VII (Part-ORA); and
- (b) the qualifications of the instructor.

| AIRSHIP CATEGORY | PRACTICAL TRAINING | | | | | SKILL TEST OR PROFICIENCY CHECK | | |
|--|--|-----|-------|-------|-------|---|---|---|
| | Manoeuvres/ procedures | OTD | FTD | FFS | As | Instructor initials when training completed | Checked in FFS As completed | Examiner's initials when test completed |
| SECTION 1 — Preflight preparations and checks | | | | | | | | |
| 1.1 | Preflight inspection | | | | P | | | |
| 1.2 | Cockpit P inspection | | ----> | ----> | ----> | | | |
| 1.3 | Starting procedures, radio and navigation equipment check, selection and setting of navigation and communication frequencies | | P | ----> | ----> | | M | |
| 1.4 | Off-mast procedure and ground manoeuvring | | | P | ----> | | M | |
| 1.5 | Pre-take-off procedures and checks | P | ----> | ----> | ----> | | M | |
| SECTION 2 — Flight manoeuvres and procedures | | | | | | | | |
| 2.1 | Normal VFR | | | P | ----> | | M | |

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| | | | | | | | |
|------|---|--|--|---|-------|--|---|
| | take-off profile | | | | | | |
| 2.2 | Take-off with simulated engine failure | | | P | ----> | | M |
| 2.3 | Take-off with heaviness > 0 (Heavy T/O) | | | P | ----> | | |
| 2.4 | Take-off with heaviness < 0 (Light/TO) | | | P | ----> | | |
| 2.5 | Normal climb procedure | | | P | ----> | | |
| 2.6 | Climb to pressure height | | | P | ----> | | |
| 2.7 | Recognising of pressure height | | | P | ----> | | |
| 2.8 | Flight at or close to pressure height | | | P | ----> | | M |
| 2.9 | Normal descent and approach | | | P | ----> | | |
| 2.10 | Normal VFR landing profile | | | P | ----> | | M |
| 2.11 | Landing with heaviness > 0 | | | P | ----> | | M |

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| | | | | | | | | |
|------|---|--|--|---|-------|--|---|--|
| | (Heavy Ldg.) | | | | | | | |
| 2.12 | Landing with heaviness < 0 (Light Ldg.) | | | P | ----> | | M | |
| | Intentionally left blank | | | | | | | |

SECTION 3 — Normal and abnormal operations of the following systems and procedures

| | | | | | | | | |
|-----|---|---|-------|-------|-------|--|---|--|
| 3 | Normal and abnormal operations of the following systems and procedures (may be completed in an FSTD if qualified for the exercise): | | | | | | M | A mandatory minimum of 3 items shall be selected from this section |
| 3.1 | Engine | P | ----> | ----> | ----> | | | |
| 3.2 | Envelope pressurisation | P | ----> | ----> | ----> | | | |
| 3.3 | Pitot/static system | P | ----> | ----> | ----> | | | |
| 3.4 | Fuel system | P | ----> | ----> | ----> | | | |
| 3.5 | Electrical system | P | ----> | ----> | ----> | | | |
| 3.6 | Hydraulic system | P | ----> | ----> | ----> | | | |
| 3.7 | Flight control and | P | ----> | ----> | ----> | | | |

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| | | | | | | | | |
|--|---|---|-------|-------|-------|---|--|--|
| | trim system | | | | | | | |
| 3.8 | Ballonet system | P | ----> | ----> | ----> | | | |
| 3.9 | Autopilot flight director | P | ---> | ---> | ----> | | | |
| 3.10 | Stability augmentation devices | P | ----> | ----> | ----> | | | |
| 3.11 | Weather radar, radio altimeter, transponder, ground proximity warning system (if fitted) | P | ----> | ----> | ----> | | | |
| 3.12 | Landing gear system | P | ----> | ----> | ----> | | | |
| 3.13 | APU | P | ----> | ----> | ----> | | | |
| 3.14 | Radio, navigation equipment, instruments and FMS | P | ----> | ----> | ----> | | | |
| | Intentionally left blank | | | | | | | |
| SECTION 4 — Abnormal and emergency procedures | | | | | | | | |
| 4 | Abnormal and emergency procedures (may be completed in an FSTD if qualified for the exercise) | | | | | M | | A mandatory minimum of three items shall be selected from this section |

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| | | | | | | | | |
|-----|---|---|-------|-------|-------|--|----------|--|
| 4.1 | Fire drills, engine, APU, cargo compartment, flight deck and electrical fires, including evacuation if applicable | P | ----> | ----> | ----> | | | |
| 4.2 | Smoke control and removal | P | ----> | ----> | ----> | | | |
| 4.3 | Engine failures, shutdown and restart: in particular phases of flight, inclusive multiple engine failure | P | ----> | ----> | ----> | | | |
| 4.4 | Incapacitation of crew member | P | ----> | ----> | ----> | | | |
| 4.5 | Transmission/gearbox malfunctions | P | ----> | ----> | ----> | | FFS only | |
| 4.6 | Other emergency procedures as outlined in the appropriate flight manual | P | ----> | ----> | ----> | | | |

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SECTION 5 — Instrument Flight Procedures (to be performed in IMC or simulated IMC)

| | | | | | | | |
|-------|--|----|--------|--------|--------|--|-------------------------------|
| 5.1 | Instrument take-off: transition to instrument flight is required as soon as possible after becoming airborne | P* | ---->* | ---->* | ---->* | | |
| 5.1.1 | Simulated engine failure during departure | P* | ---->* | ---->* | ---->* | | M* |
| 5.2 | Adherence to departure and arrival routes and ATC instructions | P* | ---->* | ---->* | ---->* | | M* |
| 5.3 | Holding procedures | P* | ---->* | ---->* | ---->* | | |
| 5.4 | Precision approach down to a decision height not less than 60 m (200 ft) | P* | ---->* | ---->* | ---->* | | |
| 5.4.1 | Manually without flight director | P* | ---->* | ---->* | ---->* | | M* (Skill test only) |
| 5.4.2 | Manually with | P* | ---->* | ---->* | ---->* | | |

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| | | | | | | | |
|-------|--|----|--------|--------|--------|----|--|
| | flight director | | | | | | |
| 5.4.3 | With use of autopilot | P* | ---->* | ---->* | ---->* | | |
| 5.4.4 | Manually with one engine simulated inoperative; engine failure has to be simulated during final approach before passing the OM and continued to touchdown or until completion of the missed approach procedure | P* | ---->* | ---->* | ---->* | M* | |
| 5.5 | Non-precision approach down to the MDA/H | P* | ---->* | ---->* | ---->* | M* | |
| 5.6 | Go-around with all engines operating on reaching DA/H or MDA/MDH | P* | ---->* | ---->* | ---->* | | |

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| | | | | | | | | |
|-------|--|----|--------|--------|--------|--|----|--|
| 5.6.1 | Other missed approach procedures | P* | ---->* | ---->* | ---->* | | | |
| 5.6.2 | Go-around with one engine simulated inoperative on reaching DA/H or MDA/MDH | P* | | | | | M* | |
| 5.7 | Recovery from unusual attitudes (this one depends on the quality of the FFS) | P* | ---->* | ---->* | ---->* | | M* | |

SECTION 6 — Additional authorisation on a type rating for instrument approaches down to a decision height of less than 60 m (200 ft) (CAT II/III)

| | | | | | | | | |
|---|---|--|--|--|--|--|--|--|
| 6 | Additional authorisation on a type rating for instrument approaches down to a decision height of less than 60 m (200 ft) (CAT II/III). The following manoeuvres | | | | | | | |
|---|---|--|--|--|--|--|--|--|

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| | | | | | | |
|-----|--|---|-------|--|--|----|
| | and procedures are the minimum training requirements to permit instrument approaches down to a DH of less than 60 m (200 ft). During the following instrument approaches and missed approach procedures, all airship equipment required for the type certification of instrument approaches down to a DH of less than 60 m (200 ft) shall be used. | | | | | |
| 6.1 | Rejected take-off at minimum authorised RVR | P | ----> | | | M* |
| 6.2 | ILS approaches: in simulated | P | ----> | | | M* |

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| | | | | | | | |
|-----|--|---|-------|--|--|----|--|
| | instrument flight conditions down to the applicable DH, using flight guidance system. SOPs of crew coordination shall be observed. | | | | | | |
| 6.3 | Go-around After approaches as indicated in 6.2 on reaching DH. The training shall also include a go-around due to (simulated) insufficient RVR, wind shear, aircraft deviation in excess of approach limits for a successful approach, ground/airborne equipment | P | ----> | | | M* | |

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| | | | | | | | | |
|---------------------------------------|---|---|-------|--|--|--|----|---|
| | failure prior to reaching DH and, go-around with simulated airborne equipment failure. | | | | | | | |
| 6.4 | Landing(s): with visual reference established at DH following an instrument approach. Depending on the specific flight guidance system, an automatic landing shall be performed | P | ----> | | | | M* | |
| SECTION 7 — Optional equipment | | | | | | | | |
| 7 | Use of optional equipment | P | ----> | | | | | I |

Status:

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