

## ANNEX I

Annex I (Part-FCL) to Regulation (EU) No 1178/2011 is amended as follows:

- (1) The title of FCL.015 is replaced by the following:  
**FCL.015 Application and issue, revalidation and renewal of licences, ratings and certificates**
- (2) FCL.020 is replaced by the following:  
**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:
    - (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.
- (3) FCL.025 is amended as follows:
  - (a) the title is replaced by the following:  
**FCL.025 Theoretical knowledge examinations for the issue of licences and ratings**
  - (b) in point (a) paragraphs (1) and (2) are replaced by the following:
    - (1) Applicants shall take the entire set of theoretical knowledge examinations for a specific licence or rating under the responsibility of one Member State.
    - (2) Applicants shall only take the theoretical knowledge examination when recommended by 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.
  - (c) point (b) is amended as follows:
    - (i) paragraph (1) is replaced by the following:
      - (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. There is no penalty marking.
    - (ii) paragraph 3 and the second subparagraph of point (b) are replaced by the following:
      - (3) If an applicant has failed to pass one of the theoretical knowledge examination papers within 4 attempts, or has failed to pass all papers within either 6 sittings or the period mentioned in paragraph (2), he/she shall re-take the complete set of examination papers.

Before re-taking the theoretical knowledge examinations, the applicant shall undertake further training at an ATO. The extent

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and scope of the training needed shall be determined by the ATO, based on the needs of the applicant.

- (d) in point (c) paragraph (1), point (ii) is replaced by the following:
  - (ii) for the issue of a commercial pilot licence, instrument rating (IR) or en route instrument rating (EIR), for a period of 36 months;
- (4) FCL.035 is amended as follows:
  - (a) point (a) is amended as follows:
    - (i) paragraph (1) and the first sentence of paragraph 2 are replaced by the following:
      - (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.
    - (ii) paragraph (3) is replaced by the following:
      - (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) point (b) is amended as follows:
    - (i) paragraph (1) is replaced by the following:
      - (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.
    - (ii) the following paragraph (5) is added:
      - (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).
- (5) FCL.055 is amended as follows:
  - (a) the introductory part of point (d) is replaced by the following:

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- (d) Specific requirements for holders of an instrument rating (IR) or en-route instrument rating (EIR). Without prejudice to the paragraphs above, holders of an IR or an EIR shall have demonstrated the ability to use the English language at a level which allows them to:
- (b) point (e) is replaced by the following:
  - (e) The demonstration of language proficiency and the use of English for IR or EIR holders shall be done through a method of assessment established by the competent authority.
- (6) In FCL.060 point (b), paragraph 3 is replaced by the following:
  - (3) 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
    - (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.
- (7) In FCL.105.A, point (b) is replaced by the following:
  - (b) Holders of a LAPL(A) shall only carry passengers once they have completed 10 hours of flight time as PIC on aeroplanes or TMG after the issuance of the licence.
- (8) In FCL.105.S, point (b) is replaced by the following:
  - (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.
- (9) FCL.105.B is replaced by the following:

**FCL.105.B 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 m<sup>3</sup> envelope capacity or gas balloons with a maximum of 1 260 m<sup>3</sup> envelope capacity, carrying a maximum of 3 passengers, such that there are never more than 4 persons on board of the aircraft.
- (10) In FCL.110.B the title is replaced by the following:

**FCL.110.B LAPL(B) — Experience requirements and crediting**
- (11) In point (c) of FCL.235, paragraph (2) is replaced by the following:
  - (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.
- (12) In point (b) of FCL.205.A, paragraph (3) is replaced by the following:

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- (3) the training, testing and checking for the ratings or certificates attached to this licence.
- (13) In point (b) of FCL.205.H, paragraph (3) is replaced by the following:
- (3) the training, testing and checking for the ratings and certificates attached to this licence.
- (14) In point (b) of FCL.205.As, paragraph (3) is replaced by the following:
- (3) the training, testing and checking for the ratings or certificates attached to this licence.
- (15) In FCL.205.S, point (c) is replaced by the following:
- (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.
- (16) FCL.205.B is amended as follows:
- (a) point (a) is replaced by the following:
- (a) The privileges of the holder of a BPL are to act as PIC on balloons.
- (b) in point (c) paragraph (3) is replaced by the following:
- (3) the training, testing and checking for the ratings and certificates attached to these licences.
- (17) In point (a) of FCL.230.B, paragraph (2) is replaced by the following
- (2) 1 training flight with an instructor in a balloon within the appropriate class and within the largest group for which they have privileges;
- (18) In point (c) of FCL.510.A, paragraph (2) is replaced by the following:
- (2) 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.
- (19) FCL.600 is replaced by the following:  
**FCL.600 IR — General**
- 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 a PPL, CPL, MPL and ATPL with an IR appropriate to the category of aircraft or when undergoing skill testing or dual instruction.
- (20) FCL.610 is amended as follows:

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- (a) in point (a) paragraph (1), point (i) is replaced by the following:
    - (i) the privileges to fly at night in accordance with FCL.810, if the IR privileges will be used at night; or
  - (b) point (b) is replaced by the following:
    - (b) 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.
- (21) In FCL.615, point (b) is replaced by the following:
- (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.
- (22) In point (a) of FCL.625.H, paragraph (2) is replaced by the following:
- (2) when not combined with the revalidation of a type rating, shall complete only section 5 and the relevant parts of section 1 of the proficiency check established in Appendix 9 to this Part for the relevant type of helicopter. In this case, an FTD 2/3 or an FFS representing the relevant type of helicopter may be used, but at least each alternate proficiency check for the revalidation of an IR(H) in these circumstances shall be performed in a helicopter.
- (23) In FCL.710, point (b) is replaced by the following:
- (b) If the variant has not been flown within a period of 2 years following the differences training, further differences training or a proficiency check in that variant shall be required to maintain the privileges, except for types or variants within the single-engine piston and TMG class ratings.
- (24) In point (b) of FCL.725, paragraph (4) is replaced by the following:
- (4) 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.
- (25) In FCL.720.A, point (e) is replaced by the following:
- (e) Notwithstanding point (d), a Member State may issue a type rating with restricted privileges for multi-pilot aeroplanes that allows the holder of such rating to act as a cruise relief co-pilot above Flight Level 200, provided that two other members of the crew have a type rating in accordance with point (d).
- (26) In point (a) of FCL.740.A, paragraph (4) is replaced by the following:

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- (4) 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.
- (27) In FCL.735.As, point (a) is replaced by the following:
- (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.
- (28) Paragraph (1) of point (a) of FCL.810 is amended as follows:
- (a) the first subparagraph of paragraph (1) is replaced by the following:
- (1) If the privileges of an LAPL, an SPL or a PPL for aeroplanes, TMGs or airships are to be exercised in VFR conditions at night, applicants shall have completed a training course at an ATO. The course shall comprise:
- (b) point (ii) is replaced by the following:
- (ii) 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.
- (29) The following new FCL.825 and FLC.830 are inserted:
- 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.

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- (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.
- (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:

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- (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) For 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.
- (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.
  - (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:



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- (1) 30 hours as PIC in sailplanes or powered sailplanes after the issue of the licence;
  - (2) a training course 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
  - (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).
- (30) In paragraph 2 of point (b) of FCL.915, point (i) is replaced by the following:
- (i) completed at least 15 hours of flight time as a pilot on 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
- (31) FCL.905.FI is amended as follows:
- (a) point (f) is replaced by the following:
    - (f) a towing, aerobatic or, in the case of an FI(S), a cloud flying rating, provided that such privileges are held and the FI has demonstrated the ability to instruct for that rating to an FI qualified in accordance with point (i);
  - (b) the introductory sentence of point (g) is replaced by the following:
    - (g) an EIR or an IR in the appropriate aircraft category, provided that the FI has:

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- (c) point (g), paragraph (3), point (i) is replaced by the following:
  - (i) for multi-engine aeroplanes, met the requirements for a CRI for multi-engine aeroplanes;
- (d) in point (h), paragraph (2) is replaced by the following:
  - (2) in the case of helicopters, the requirements established in FCL.910.TRI(c)(1) and the prerequisites for the TRI(H) training course established in FCL.915.TRI(d)(2);
- (32) In point (a) of FCL.910.FI, paragraph (3) is replaced by the following:
  - (3) 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;
- (33) In FCL.915.FI, point (e) is replaced by the following:
  - (e) 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 additional assessment of competence on a TMG in accordance with FCL.935 with an FI qualified in accordance with FCL.905.FI(i);
- (34) In point (b) of FCL.930.FI, paragraph (3) is amended as follows:
  - (a) point (v) is replaced by the following:
    - (v) in the case of an FI(B), at least 3 hours of flight instruction, including 3 take-offs.
  - (b) the second subparagraph of paragraph (3) is replaced by the following:
    - (4) 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).
- (35) In FCL.905.TRI, after the introductory words, point (a) is replaced by the following:
  - (a) the revalidation and renewal of an EIR or an IR, provided the TRI holds a valid IR;
- (36) FCL.905.CRI is amended as follows:
  - (a) in point (a) of FCL.905.CRI, paragraph (1) is replaced by the following:
    - (1) 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;
  - (b) the following new point (c) is inserted:

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- (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.
- (37) In FCL.905.IRI, point (a) is replaced by the following:
- (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.
- (38) In point (a) of FCL.915.IRI, paragraph (2) is replaced by the following:
- (2) 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;
- (39) In point (d) of FCL.905.SFI, paragraph (2) is replaced by the following:
- (2) MCC training, when the SFI has privileges to instruct for multi-pilot helicopters.
- (40) In point (b) of FCL.915.MCCI, paragraph (1) is replaced by the following:
- (1) in the case of aeroplanes, airships and powered-lift aircraft, 1 500 hours of flying experience as a pilot in multi-pilot operations;
- (41) FCL.940.MI is replaced by the following:  
**FCL.940.MI Validity of the MI certificate**  
The MI certificate is valid as long as the FI, TRI or CRI certificate is valid.
- (42) FCL.1015 is amended as follows:
- (a) in point (b), the following paragraphs (4) and (5) are added:
- (4) 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;
- (b) point (c) is replaced by the following:
- (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.
- (43) In point (b) of FCL.1030, paragraph (3) is amended as follows:
- (a) a new point (iv) is added:
- (iv) a declaration that the examiner has reviewed and applied the national procedures and requirements of the applicant's competent

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authority if the competent authority responsible for the applicant's licence is not the same that issued the examiner's certificate;

- (b) a new point (v) is added:
    - (v) 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.
- (44) FCL.1005.FE is amended as follows:
- (a) In point (a), the following paragraph (5) is added:
    - (5) 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) in point (d), paragraph (3) is replaced by the following:
    - (3) 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).
- (45) In point (a) of FCL.1005.TRE, paragraph (2) is replaced by the following:
- (2) proficiency checks for revalidation or renewal of type ratings, EIRs and IRs;
- (46) In point (b) paragraph (5) of FCL.1010.TRE, point (ii) is replaced by the following:
- (ii) hold a CPL(H) or ATPL(H).
- (47) In point (b) of FCL.1005.CRE, the following paragraph (3) is added:
- (3) revalidation and renewal of EIRs, provided that the CRE has completed at least 1 500 hours as a pilot on aeroplanes and complies with the requirements in FCL.1010.IRE(a)(2).
- (48) FCL.1005.IRE is replaced by the following:  
**FCL.1005.IRE IRE — Privileges**
- 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.
- (49) Appendix 1 to Annex I (Part-FCL) is amended as follows:
- (a) paragraph 3.2 is replaced by the following

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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

(b) Paragraph 4.1. is replaced by the following:

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.

(50) Appendix 3 to Annex I (Part-FCL) is amended as follows:

(a) in section E, under the heading GENERAL in paragraph 12, point (d) is replaced by the following:

(d) 6 hours of flight time shall be completed in a multi-engine aeroplane, if a multi-engine aeroplane is used for the skill test.

(b) in Section K under the heading GENERAL in paragraph 3, point (a) is replaced by the following:

(a) have completed 155 hours flight time, including 50 hours as PIC in helicopters of which 10 hours shall be cross-country. Hours as PIC of other categories of aircraft may count towards the 155 hours flight time as prescribed in paragraph 11 of Section K;

(51) In Appendix 5 to Annex I (Part FCL) under the heading GENERAL, paragraph 2 is replaced by the following:

2. Approval for an MPL training course shall only be given to an ATO that is part of a commercial air transport operator certificated in accordance with Part-ORO or having a specific arrangement with such an operator. The licence shall be restricted to that specific operator until completion of the airline operator's conversion course.

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(52) Appendix 6 to Part-FCL is amended as follows:

(a) section A is amended as follows:

(i) paragraph 2 is replaced by the following:

2. An applicant for a modular IR(A) course shall be the holder of a PPL(A) or a CPL(A). An applicant for the Procedural Instrument Flight Module, who does not hold a CPL(A), shall be holder of a Course Completion Certificate for the Basic Instrument Flight Module.

The ATO shall ensure that the applicant for a multi-engine IR(A) course who has not held a multi-engine aeroplane class or type rating has received the multi-engine training specified in Subpart H prior to commencing the flight training for the IR(A) course.

(ii) paragraph 10.2 is replaced by the following:

- 10.2. The holder of an IR(H) may have the total amount of training required in paragraphs 7 or 8 above reduced to 10 hours.

(b) a new Section Aa is inserted:

**Aa. IR(A) — Competency-based modular flying training course**  
**GENERAL**

1. The aim of the competency-based modular flying training course is to train PPL or CPL holders for the instrument rating, taking into account prior instrument flight instruction and experience. It is designed to provide the level of proficiency needed to operate aeroplanes under IFR and in IMC. The course shall consist of a combination of instrument flight instruction provided by an IRI(A) or an FI(A) holding the privilege to provide training for the IR and flight instruction within an ATO.

2. An applicant for such a competency-based modular IR(A) shall be the holder of a PPL(A) or CPL(A).

3. The course of theoretical instruction shall be completed within 18 months. The instrument flight instruction and the skill test shall be completed within the period of validity of the pass of the theoretical knowledge examinations.

4. The course shall comprise:

(a) theoretical knowledge instruction to the IR(A) knowledge level;

(b) instrument flight instruction.

**THEORETICAL KNOWLEDGE**

5. An approved competency-based modular IR(A) course shall comprise at least 80 hours of theoretical knowledge instruction. The theoretical knowledge course may contain computer-based training and e-learning elements. A minimum amount of classroom teaching as required by ORA.ATO.305 has to be provided.

## FLYING TRAINING

6. The method of attaining an IR(A) following this modular course is competency-based. However, the minimum requirements below shall be completed by the applicant. Additional training may be required to reach required competencies.
- (a) A single-engine competency-based modular IR(A) course shall include at least 40 hours of instrument time under instruction, of which up to 10 hours may be instrument ground time in an FNPT I, or up to 25 hours in an FFS or FNPT II. A maximum of 5 hours of FNPT II or FFS instrument ground time may be conducted in an FNPT I.
- (i) When the applicant has:
- (A) completed instrument flight instruction provided by an IRI(A) or an FI(A) holding the privilege to provide training for the IR; or
- (B) prior flight time under IFR as PIC on aeroplanes, under a rating providing the privileges to fly under IFR and in IMC
- these hours may be credited towards the 40 hours above up to maximum of 30 hours,
- (ii) When the applicant has prior instrument flight time under instruction other than specified in point (a)(i), these hours may be credited towards the required 40 hours up to a maximum of 15 hours.
- (iii) In any case, the flying training shall include at least 10 hours of instrument flight time under instruction in an aeroplane at an ATO.
- (iv) The total amount of dual instrument instruction shall not be less than 25 hours.
- (b) A multi-engine competency-based modular IR(A) course shall include at least 45 hours instrument time under instruction, of which up to 10 hours may be instrument ground time in an FNPT I, or up to 30 hours in an FFS or FNPT II. A maximum of 5 hours of FNPT II or FFS instrument ground time may be conducted in an FNPT I.
- (i) When the applicant has:
- (A) completed instrument flight instruction provided by an IRI(A) or an FI(A) holding the privilege to provide training for the IR; or
- (B) prior flight time under IFR as PIC on aeroplanes, under a rating giving the privileges to fly under IFR and in IMC

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these hours may be credited towards the 45 hours above up to a maximum of 35 hours.

- (ii) When the applicant has prior instrument flight time under instruction other than specified in point (b)(i), these hours may be credited towards the required 45 hours up to a maximum of 15 hours.
  - (iii) In any case, the flying training shall include at least 10 hours of instrument flight time under instruction in a multi-engine aeroplane at an ATO.
  - (iv) The total amount of dual instrument instruction shall not be less than 25 hours, of which at least 15 hours shall be completed in a multi-engine aeroplane.
- (c) To determine the amount of hours credited and to establish the training needs, the applicant shall complete a pre-entry assessment at an ATO.
- (d) The completion of the instrument flight instruction provided by an IRI(A) or FI(A) in accordance with point (a)(i) or (b)(i) shall be documented in a specific training record and signed by the instructor.
7. The flight instruction for the competency-based modular IR(A) shall comprise:
- (a) procedures and manoeuvres for basic instrument flight covering at least:
    - (i) basic instrument flight without external visual cues;
    - (ii) horizontal flight;
    - (iii) climbing;
    - (iv) descent;
    - (v) turns in level flight, climbing and descent;
    - (vi) instrument pattern;
    - (vii) steep turn;
    - (viii) radio navigation;
    - (ix) recovery from unusual attitudes;
    - (x) limited panel; and
    - (xi) recognition and recovery from incipient and full stall;
  - (b) pre-flight procedures for IFR flights, including the use of the flight manual and appropriate air traffic services documents for the preparation of an IFR flight plan;
  - (c) procedure and manoeuvres for IFR operation under normal, abnormal, and emergency conditions covering at least:



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- (i) transition from visual to instrument flight on take-off;
  - (ii) standard instrument departures and arrivals;
  - (iii) en route IFR procedures;
  - (iv) holding procedures;
  - (v) instrument approaches to specified minima;
  - (vi) missed approach procedures; and
  - (vii) landings from instrument approaches, including circling;
- (d) in-flight manoeuvres and particular flight characteristics;
- (e) if required, operation of a multi-engine aeroplane in the above exercises, including:
- (i) operation of the aeroplane solely by reference to instruments with one engine simulated inoperative;
  - (ii) engine shutdown and restart (to be carried out at a safe altitude unless carried out in an FFS or FNPT II).
8. Applicants for the competency-based modular IR(A) holding a Part-FCL PPL or CPL and a valid IR(A) issued in compliance with the requirements of Annex 1 to the Chicago Convention by a third country may be credited in full towards the training course mentioned in paragraph 4. In order to be issued the IR(A), the applicant shall:
- (a) successfully complete the skill test for the IR(A) in accordance with Appendix 7;
  - (b) demonstrate to the examiner during the skill test that he/she has acquired an adequate level of theoretical knowledge of air law, meteorology and flight planning and performance (IR); and
  - (c) have a minimum experience of at least 50 hours of flight time under IFR as PIC on aeroplanes.

#### PRE-ENTRY ASSESSMENT

9. The content and duration of the pre-entry assessment shall be determined by the ATO based on the prior instrument experience of the applicant.

#### MULTI-ENGINE

10. The holder of a single-engine IR(A) who also holds a multi-engine class or type rating wishing to obtain a multi-engine IR(A) for the first time shall complete a course at an ATO comprising at least 5 hours instrument time under instruction in multi-engine aeroplanes, of which 3 hours may be in an FFS or FNPT II and shall pass a skill test.

- (c) Section B is amended as follows:
  - (i) paragraph 2 is replaced by the following:

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2. An applicant for a modular IR(H) course shall be the holder of a PPL(H), or a CPL(H) or an ATPL(H). Prior to commencing the aircraft instruction phase of the IR(H) course, the applicant shall be the holder of the helicopter type rating used for the IR(H) skill test, or have completed approved type rating training on that type. The applicant shall hold a certificate of satisfactory completion of MCC if the skill test is to be conducted in Multi- Pilot conditions.
    - (ii) paragraph 9.2 is replaced by the following:
      - 9.2. The holder of an IR(A) may have the amount of training required reduced to 10 hours.
    - (iii) the following paragraph 9.3 is inserted:
      - 9.3. The holder of a PPL(H) with a helicopter night rating or a CPL(H) may have the total amount of instrument time under instruction required reduced by 5 hours.
- (53) Appendix 9 to Annex I (Part-FCL) is amended as follows:
- (a) in section B paragraph 5 point (f), point (i) is replaced by the following:
    - (i) the qualification of the FFS or FNPT II as set out in the relevant requirements of Part-ARA and Part-ORA;
  - (b) Section C is amended as follows:
    - (i) the introductory sentence to paragraph 4 is replaced by the following:
      4. The following limits shall apply, corrected to make allowance for turbulent conditions and the handling qualities and performance of the helicopter used.
    - (ii) in paragraph 10, point (i) is replaced by the following:
      - (i) the qualification of the FSTD as set out in the relevant requirements of Part-ARA and Part-ORA;
    - (iii) in Section D paragraph 8, point (a) is replaced by the following
      - (a) the qualification of the flight simulation training devices as set out in the relevant requirements of Part-ARA and Part-ORA;
    - (iv) in Section E paragraph 8, the introductory sentence and point (a) are replaced by the following:
      8. Flight Simulation Training Devices 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 flight simulation training devices as set out in the relevant requirements of Part-ARA and Part-ORA;

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