

The 750 hours of instruction should be divided in such a way that in each subject the minimum hours are:

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|-----|-----------------------------------|-----------|
| (1) | Air law                           | 35 hours  |
| (2) | Aircraft general knowledge        | 100 hours |
| (3) | Flight performance and planning   | 120 hours |
| (4) | Human performance and limitations | 35 hours  |
| (5) | Meteorology                       | 60 hours  |
| (6) | Navigation                        | 90 hours  |
| (7) | Operational procedures            | 25 hours  |
| (8) | Principles of flight              | 55 hours  |
| (9) | Communications                    | 20 hours  |

Other subdivisions of hours may be agreed upon between the competent authority and the ATO.

#### FLYING TRAINING

(d) The flying instruction is divided into six phases:

(1) Phase 1:

Exercises up to the first solo flight comprise a total of at least 10 hours dual flight instruction on an SE aeroplane including:

- (i) pre-flight operations, mass and balance determination, aeroplane inspection and servicing;
- (ii) aerodrome and traffic pattern operations, collision avoidance and precautions;
- (iii) control of the aeroplane by external visual references;
- (iv) normal take-offs and landings;
- (v) the basic UPRT exercises as specified in point (b) of AMC2 to Appendix 3; AMC1 to Appendix 5;
- (vi) simulated engine failure.

(2) Phase 2:

Exercises up to the first solo cross-country flight comprise a total of at least 10 hours of dual flight instruction and at least 10 hours solo flight including:

- (i) maximum performance (short field and obstacle clearance) takeoffs and short-field landings;
- (ii) flight by reference solely to instruments, including the completion of a 180 ° turn;
- (iii) dual cross-country flying using external visual references, DR and radio navigation aids, diversion procedures;
- (iv) aerodrome and traffic pattern operations at different aerodromes;
- (v) crosswind take-offs and landings;
- (vi) abnormal and emergency procedures and manoeuvres, including simulated aeroplane equipment malfunctions;

- (vii) operations to, from and transiting controlled aerodromes, compliance with ATS procedures, R/T procedures and phraseology;
  - (viii) knowledge of meteorological briefing arrangements, evaluation of weather conditions for flight and use of AIS.
- (3) Phase 3:
- Exercises up to the VFR navigation progress test comprise a total of at least 5 hours of dual instruction and at least 40 hours as PIC.
- The dual instruction and testing up to the VFR navigation progress test should comprise:
- (i) repetition of exercises of phases 1 and 2;
  - (ii) VFR navigation progress test conducted by an FI not connected with the applicant's training;
  - (iii) dual night flight instruction.
- (4) Phase 4:
- Exercises up to the instrument rating skill test comprise:
- (i) at least 55 hours instrument flight, which may contain up to 25 hours of instrument ground time in an FNPT I or up to 40 hours in an FNPT II or FFS which should be conducted by an FI or an authorised SFI;
  - (ii) 20 hours instrument time flown as SPIC;
  - (iii) pre-flight procedures for IFR flights, including the use of the flight manual and appropriate ATS documents in the preparation of an IFR flight plan;
  - (iv) procedures and manoeuvres for IFR operation under normal, abnormal and emergency conditions covering at least:
    - (A) transition from visual to instrument flight on take-off;
    - (B) SIDs and arrivals;
    - (C) en-route IFR procedures;
    - (D) holding procedures;
    - (E) instrument approaches to specified minima;
    - (F) missed approach procedures;
    - (G) landings from instrument approaches, including circling;
  - (v) in-flight manoeuvres and specific flight characteristics and the basic UPRT exercises as specified in Sections A, B, C and D of Table 2 in point (b) of AMC2 to Appendix 3; AMC1 to Appendix 5;
  - (vi) operation of an ME aeroplane in the exercises of (iv), including operation of the aeroplane solely by reference to instruments with one engine simulated inoperative, and engine shut-down and restart (the latter training should be conducted at a safe altitude unless carried out in an FSTD);
  - (vii) after completion of instrument training that is equivalent to the basic instrument flight module set out in AMC2 to Appendix 6, take-offs and landings as PIC at night.

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- (5) Phase 5: Advanced UPRT in accordance with point FCL.745.A;
  - (6) Phase 6:
    - (i) instruction and testing in MCC comprising the relevant training requirements;
    - (ii) if a type rating for single-pilot aeroplanes in multi-pilot operations, or multi-pilot aeroplanes is not required on completion of this phase, the applicant should be issued with a certificate of course completion for MCC training.
- B. ATP modular theoretical knowledge course: aeroplanes**
- (a) The aim of this course is to train pilots who have not received the theoretical knowledge instruction during an integrated course to the level of theoretical knowledge required for the ATPL.
  - (b) An approved course may contain in suitable proportions:
    - (1) classroom work;
    - (2) lessons;
    - (3) tutorials;
    - (4) demonstrations, including those supported by demonstration equipment;
    - (5) exercises carried out as groups or individuals and based on pre-flight and en-route planning, communications, presentations and projects;
    - (6) exercises that use demonstration equipment or training devices;
    - (7) directed study including workbook exercises or assignments;
    - (8) aerodrome or aviation industry field trips;
    - (9) computer-based training and e-learning elements;
    - (10) progress tests, Area 100 KSA assessments and mental maths test(s); and
    - (11) other training methods, media and tools approved by the competent authority.

Approved distance-learning (correspondence) courses may also be offered as part of the course. The minimum amount of classroom instruction, as required by ORA.ATO.305, may include all of the above except item (b)(9).
  - (c) The ATP modular course should be completed within 18 months. This period may be extended where additional training is provided by the ATO. The flight instruction and skill test need to be completed within the period of validity of the pass in the theoretical examinations.
- C. CPL/IR integrated course: aeroplanes**
- (a) The CPL/IR integrated course should last between 9 and 30 months. This period may be extended where additional flying training or ground instruction is provided by the ATO.
- CREDITING**
- (b) Credit for previous experience given to an applicant who already holds a PPL should be entered into the applicant's training record. In the case of a student pilot who does not hold a pilot licence and with the approval of the competent authority, an ATO may designate certain dual exercises to be flown in a helicopter or a TMG up to a maximum of 20 hours.