

2.3.4 PRIVATE PILOT LICENCE

2.3.4.1 GENERAL REQUIREMENTS

(a) Age.

(1) The applicant for a PPL in all categories other than balloon and glider shall be not less than 17 years of age.

(2) The applicant for a PPL in the balloon or glider category shall be not less than 16 years of age.

(b) Medical fitness. The applicant for a PPL shall hold a current Class 2 Medical Certificate as issued under this Part.

(c) Knowledge areas. The applicant for a PPL shall receive and log ground training from an authorized instructor on the following subjects appropriate to the privileges granted to the holder of a private pilot licence and appropriate to the category of aircraft to be included on the licence:

(1) Air law:

(i) Rules and regulations relevant to the holder of a PPL; rules of the air; appropriate air traffic services practices and procedures.

(2) Aircraft general knowledge:

(i) Principles of operation and functioning of powerplants, systems and instruments.

(ii) Operating limitations of aeroplanes and the relevant category of aircraft and powerplants; relevant operational information from the flight manual or other appropriate document.

(iii) For helicopter and powered lift, transmission (power-trains) where applicable;

(iv) For airship and balloon, physical properties of gases.

(3) Flight performance and planning:

(i) Effects of loading and mass distribution on flight characteristics; mass and balance calculations.

(ii) Use and practical application of take-off or launching, landing and other performance data.

(iii) Pre-flight and en-route flight planning appropriate to private operations under VFR; preparation and filing of air traffic services flight plans; appropriate air traffic services procedures; position reporting procedures; altimeter setting procedures; operations in areas of high-density traffic.

(4) Human performance:

(i) Human performance relevant to the appropriate category of aircraft.

(ii) Principles of threat and error management.

(5) Meteorology:

(i) Application of elementary aeronautical meteorology; use of, and procedures for obtaining, meteorological information; altimetry; hazardous weather conditions.

(6) Navigation:

(i) Practical aspects of air navigation and dead-reckoning techniques; use of aeronautical charts.

(7) Operational procedures:

(i) Application of threat and error management to operational procedures.

(ii) Altimeter setting procedures.

(iii) Use of aeronautical documentation such as AIP, NOTAM, aeronautical codes and abbreviations.

(iv) Appropriate precautionary and emergency procedures, including action to be taken to avoid hazardous weather, wake turbulence and other operating hazards.

(v) In the case of the helicopter, and if applicable, powered lift, settling with power; ground resonance; retreating blade stall; dynamic roll-over and other operation hazards; safety procedures, associated with flight under visual meteorological conditions (VMC).

- (8) Principles of flight:
 - (i) Principles of flight relating to the appropriate category of aircraft.
- (9) Radiotelephony:
 - (i) Communications procedures and phraseology as applied to VFR operations; action to be taken in case of communication failure.
- (d) Knowledge testing. The applicant for a PPL shall:
 - (1) Have received an endorsement for the knowledge test from an authorised instructor who:
 - (i) Conducted the training on the knowledge subjects; and
 - (ii) Certifies that the person is prepared for the required knowledge test.
 - (2) Pass the required written knowledge test on the knowledge areas listed in item (b).
- (e) Experience and flight instruction. An applicant for a PPL shall have completed the experience and flight instruction requirements appropriate to the aircraft category as specified in this Part.
- (f) Skill. The applicant for a PPL shall:
 - (1) Have received an endorsement from an authorised instructor who certifies that the person is prepared for the required skill test.
 - (2) Have demonstrated by passing a skill test the ability to perform as PIC of an aircraft, within the appropriate category areas of operation described in the appropriate IS listed below, with a degree of competency appropriate to the privileges granted to the holder of a PPL.
 - (3) Have demonstrated the ability to—
 - (i) Recognise and manage threats;
 - (ii) Operate the aircraft within its limitations;
 - (iii) Complete all manoeuvres with smoothness and accuracy;
 - (iv) Exercise good judgement and airmanship;
 - (v) Apply aeronautical knowledge; and
 - (vi) Maintain control of the aircraft at all times in a manner such that the successful outcome of a procedure or manoeuvre is assured.
- (g) Privileges. Subject to compliance with the requirements specified in this Part, the privileges of the holder of a PPL shall be to act, but not for remuneration, as PIC or co-pilot of an aircraft within the appropriate aircraft category engaged in non-revenue flights.
- (h) Validity. Subject to compliance with the requirements specified in this Part, the validity period of the licence is 5 years.

2.3.4.2 EXPERIENCE AND FLIGHT INSTRUCTION FOR THE PPL – AEROPLANE CATEGORY

- (a) Experience.
 - (1) The applicant for a PPL(A) shall have completed not less than 40 hours of flight time, or 35 hours if completed during a course of approved training, as pilot of aeroplanes, appropriate to the class rating sought. The Authority shall determine whether experience as a pilot under instruction in a flight simulation training device is acceptable as part of the total flight time of 40 or 35 hours, as the case may be. Credit for such experience shall be limited to a total of 5 hours if completed under instruction in a flight simulator or flight procedures trainer approved by the Authority.
 - (2) The applicant shall have completed in aeroplanes not less than 10 hours of solo flight time under the supervision of an authorised flight instructor, including 5 hours of solo cross-country flight time with at least one cross-country flight totalling not less than 270 km (150 NM) in the course of which full-stop landings at two different aerodromes shall be made.

(3) The holder of pilot licences in other categories may be credited with 10 hours of the total flight time as PIC towards a PPL(A).

(b) Flight Instruction.

(1) The applicant for a PPL(A) shall receive and log not less than 20 hours of dual instruction from

an authorised instructor on the subjects listed in IS 2.3.4.3. These 20 hours may include 5 hours completed in a flight simulation training device. The 20 hours of dual instruction shall include at least 5 hours of solo cross-country flight time with at least one cross-country flight totalling not less than 270 km (150 NM) in the course of which full-stop landings at two different aerodromes shall be made.

(2) The instructor shall ensure that the applicant has operational experience in at least the following areas to the level of performance required for the private pilot:

- (i) Pre-flight operations, including mass and balance determination, aeroplane inspection and servicing;
- (ii) Aerodrome and traffic pattern operations, collision avoidance precautions and procedures;
- (iii) Control of the aeroplane by external visual reference;
- (iv) Flight at critically slow airspeeds; recognition of, and recovery from, incipient and full stalls;
- (v) Flight at critically high airspeeds; recognition of, and recovery from, spiral dives;
- (vi) Normal and cross-wind take-offs and landings;
- (vii) Maximum performance (short field and obstacle clearance take-offs, short-field landings);
- (viii) Flight by reference solely to instruments, including the completion of a level 180 degrees turn;
- (ix) Cross-country flying using visual reference, dead reckoning and, where available, radio navigation aids;
- (x) Emergency operations, including simulated aeroplane equipment malfunctions; and
- (xi) Operations to, from and transmitting controlled aerodromes, compliance with air traffic services procedures, radiotelephony procedures and phraseology.
- (xii) As further specified in [IS 2.3.4.3](#).

(3) If the privileges of the PPL(A) are to be exercised at night, the applicant shall have received 4 hours dual instruction in aeroplanes in night flying, including take-offs, landings and 1 hour of navigation.

2.3.4.3 PPL SKILL TEST—AEROPLANE CATEGORY

(a) The requirements for the skill test for the PPL(A) are included in [IS 2.3.4.3](#).

2.3.4.4 EXPERIENCE AND FLIGHT INSTRUCTION FOR THE PPL—HELICOPTER CATEGORY

(a) Experience.

(1) The applicant for a PPL(H) shall have completed not less than 40 hours of flight time as pilot of helicopters. A total of 5 hours may have been completed under instruction in a flight simulator or flight procedures trainer approved by the Authority.

(2) The applicant shall have completed in helicopter not less than 10 hours of solo flight time under the supervision of an authorised flight instructor, including 5 hours of solo cross-country flight time with at least one cross-country flight totalling not less than 180 km (100 NM) in the course of which landings at two different points shall be made.

(3) The holder of pilot licences in other powered aircraft categories may be credited with 10 hours of the total flight time as PIC towards a PPL(H).

(b) Flight Instruction.

(1) The applicant for a PPL(H) shall receive and log not less than 20 hours of dual instruction from

an authorized instructor on the subjects listed in [IS 2.3.4.3](#). These 20 hours may include 5 hours completed in a flight simulation training device. The 20 hours of dual instruction shall include at least 5 hours of solo cross-country flight time with at least one cross-country flight totaling not less than 180 km (100 NM) in the course of which landings at two different points shall be made.

(2) The instructor shall ensure that the applicant has operational experience in at least the following areas to the level of performance required for the private pilot:

- (i) Recognize and manage threats and errors;
- (ii) Pre-flight operations, including mass and balance determination, helicopter inspection and servicing;
- (iii) Aerodrome and traffic pattern operations, collision avoidance precautions and procedures;
- (iv) Control of the helicopter by external visual reference;
- (v) Recovery at the incipient stage from settling with power; recovery techniques from low rotor rpm within the normal range of engine rpm;
- (vi) Ground manoeuvring and run-ups; hovering; take-offs and landings – normal, out of wind and sloping ground;
- (vii) Take-offs and landings with minimum necessary power; maximum performance take-off and landing techniques; restricted site operations; quick stops;
- (viii) Cross-country flying using visual reference, dead reckoning and, where available, radio navigation aids including a flight of at least one hour;
- (ix) Emergency operations, including simulated helicopter equipment malfunctions; autorotative approach and landing; and
- (x) Operations to, from and transiting controlled aerodromes, compliance with air traffic services procedures, radiotelephony procedures and phraseology.

(3) If the privileges of the PPL(H) are to be exercised at night, the applicant shall have received 4 hours dual instruction in helicopters in night flying, including take-offs, landings and 1 hour of navigation.

2.3.4.5 PPL SKILL TEST—HELICOPTER CATEGORY

(a) The requirements for the skill test for the PPL(H) are included in [IS 2.3.4.5](#).

2.3.4.6 EXPERIENCE AND FLIGHT INSTRUCTION FOR THE PPL–POWERED-LIFT CATEGORY

(a) Experience.

(1) The applicant for a PPL-Powered-Lift shall have completed not less than 40 hours of flight time as pilot of powered lift. The Authority will determine whether such experience as a pilot under instruction in a flight simulation training device is acceptable as part of the total flight time of 40 hours.

(2) When the applicant has flight time as a pilot of aircraft in other categories; the Authority will determine whether such experience is acceptable and if so, the extent to which the flight time

in item (a) may be reduced.

(3) The applicant shall have completed in a powered lift aircraft not less than 10 hours of solo flight time under the supervision of an authorised flight instructor, including five hours of solo cross-country flight time with at least one cross-country flight totalling not less than 270 km (150 NM) in the course of which full stop landings at two different aerodromes shall be made.

(b) Flight Instruction. The applicant shall have received not less than 20 hours dual instruction from an authorized instructor in at least the following areas:

(1) Recognise threat and error management;

(2) Pre-flight operations, including mass and balance determination, powered lift inspection and servicing;

(3) Aerodrome and traffic operations, collision avoidance precautions and procedures;

(4) Control of the powered lift by external visual reference;

(5) Ground manoeuvring and run-ups; hover and rolling take-offs and climb out; hover and rolling approach and landings – normal, out of wind and stopping ground;

(6) Take-offs and landings with minimum necessary power; maximum performance take-off and landing techniques; restricted site operations; quick stops;

(7) Cross-country flying using visual reference, dead reckoning and, where available, radio navigation aids, including a flight of at least one hour;

(8) Emergency operations, including simulated powered lift equipment malfunctions; power of reconversion to autorotation and autorotative approach, where applicable; transmission and interconnect driveshaft failure, where applicable; and

(9) Operations to, from and transiting controlled aerodromes, compliance with air traffic services procedures, radiotelephony procedures and phraseology.

2.3.4.7 PPL SKILL TEST—POWERED-LIFT CATEGORY

RESERVED

2.3.4.8 EXPERIENCE AND FLIGHT INSTRUCTION FOR THE PPL—AIRSHIP CATEGORY

(a) Experience. The applicant for a PPL-Airship shall have completed not less than 25 hours of flight time as pilot of airships including at least:

(1) Three hours of cross-country flight training in an airship with a cross-country flight totalling not less than 45 kilometres (25 NM);

(2) Five take-offs and five landings to a full stop at an aerodrome with each landing involving a flight in the traffic pattern of an aerodrome;

(3) Three hours of instrument time; and

(4) Five hours as pilot assuming the duties of the PIC under the supervision of the PIC.

(b) Flight Instruction. The applicant shall have received dual instruction from an authorised instructor in at least the following areas:

(1) Pre-flight operations, including mass and balance determination, airships inspections and servicing;

(2) Ground reference manoeuvres;

(3) Aerodrome and traffic pattern operations, collision avoidance precautions and procedures;

(4) Techniques and procedures for the take-off, including appropriate limitations, emergency procedures and signals used;

(5) Control of the airships by external visual reference;

(6) Take-offs and landings and go-around;

(7) Maximum performance (obstacle clearance) take-offs;

(8) Flight by reference solely to instruments, including the completion of a level 180 degree turn;

(9) Navigation, cross-country flying using visual reference, dead reckoning and radio navigation aids;

(10) Emergency operations (recognition of leaks), including simulated airship equipment malfunctions; and

(11) Radiotelephony procedures and phraseology.

2.3.4.9 PPL SKILL TEST—AIRSHIP CATEGORY

(a) The requirements for the skill test for the PPL—Airship are included in [IS 2.3.4.9](#).

2.3.4.10 EXPERIENCE AND FLIGHT INSTRUCTION FOR THE PPL—BALLOON CATEGORY

(a) Experience. The applicant for a PPL- balloon shall have completed not less than 16 hours of flight time as pilot of balloons including at least 8 launches and accents, at least one of which must be solo.

(b) Flight Instruction. The applicant shall have received dual instruction in free balloons from an authorised instructor in at least the following areas:

- (1) Pre-flight operations, including balloon assembly, rigging, inflation, mooring, and inspection;
- (2) Aerodrome operations, transiting controlled aerodromes, compliance with air traffic services procedures, radiotelephony procedures and phraseology;
- (3) Techniques and procedures for the launching and ascent, including appropriate limitations, emergency procedures and signals used;
- (4) Collision avoidance precautions;
- (5) Control of a free balloon by external visual references;
- (6) Recognition of and recovery from rapid descents;
- (7) Cross-country flying using visual reference and dead reckoning;
- (8) Approaches and landings, including ground handling; and
- (9) Emergency procedures.

2.3.4.11 PPL SKILL TEST—BALLOON CATEGORY

(a) The requirements for the skill test for the PPL-Balloon category are included in [IS 2.3.4.11](#).

2.3.4.12 EXPERIENCE AND FLIGHT INSTRUCTION FOR THE PPL—GLIDER CATEGORY

(a) Experience. The applicant shall have completed not less than 6 hours of flight time as a pilot of gliders including 2 hours' solo flight time during which not less than 20 launches and landings have been performed.

(b) Flight instruction. The applicant shall have received dual instruction in gliders from an authorised instructor in at least the following areas;

- (1) Pre-flight operations, including glider assembly and inspection;
- (2) Techniques and procedures for the launching method used, including appropriate airspeed limitations, emergency procedures and signals used;
- (3) Traffic pattern operations, collision avoidance precautions and procedures;
- (4) Control of the glider by external visual reference;
- (5) Flight throughout the flight envelope;
- (6) Recognition of, and recovery from, incipient and full stalls and spiral dives;
- (7) Normal and cross-wind launches, approaches and landings;
- (8) Cross-country flying using visual reference and dead reckoning; and
- (9) Emergency procedures.

(c) Crediting of time in other aircraft categories. The holder of a pilot license in the aeroplane category may be credited with 3 hours towards the 6 hours of flight time required for the glider license.

2.3.4.13 PPL SKILL TEST—GLIDER CATEGORY

(a) The requirements for the skill test for the PPL—Glider category are included in the [IS 2.3.4.13](#).