



- b) pre-flight operations, including mass and balance determination, aeroplane inspection and servicing;
- c) aerodrome and traffic pattern operations, collision avoidance precautions and procedures;
- d) control of the aeroplane by external visual reference;
- e) flight at critically slow airspeeds; spin avoidance; recognition of, and recovery from, incipient and full stalls;
- f) flight with asymmetrical power for multi-engine class or type ratings;
- g) flight at critically high airspeeds; recognition of, and recovery from, spiral dives;
- h) normal and cross-wind take-offs and landings;
- i) maximum performance (short field and obstacle clearance) take-offs; short-field landings;
- j) basic flight manoeuvres and recovery from unusual attitudes by reference solely to basic flight instruments;
- k) cross-country flying using visual reference, dead reckoning and radio navigation aids; diversion procedures;
- l) abnormal and emergency procedures and manoeuvres including simulated aeroplane equipment malfunctions;
- m) operations to, from and transiting controlled aerodromes, compliance with air traffic services procedures; and
- n) Communication procedures and phraseology.

7.72 The instrument experience specified in 7.6.1 c) and the night flying experience in 7.6.1.d) and the dual instruction specified in 7.12.2 do not entitle the holder of a commercial pilot license to pilot aeroplanes under IFR.

7.8 CPL – HELICOPTER - EXPERIENCE

7.8.1 The applicant shall have completed not less than 150 hours of flight time as a pilot of helicopters. It will be determined whether experience as a pilot under instruction in a flight simulation training device is acceptable as part of the total flight time of 150 hours, as the case may be. Credit for such experience shall be limited to a maximum of 10 hours.

7.8.2 The applicant shall have completed in helicopters not less than:

- a) 35 hours as pilot-in-command;
- b) 10 hours of cross-country flight time as pilot-in-command including a cross-country flight in the course of which landings at two different points shall be made;
- c) 10 hours of instrument instruction time of which not more than 5 hours may be instrument ground time; and
- d) If the privileges of the license are to be exercised at night, 5 hours of night flight time including 5 take-offs and 5 landing patterns as pilot-in-command.

7.8.3 The holder of commercial pilot license-aeroplane, who applies for an helicopter category must fulfil all the requirements of 7.8.1 and 7.8.2 of commercial pilot license-helicopters. Except in this case, not more than 50 hours of flying in aeroplanes may be granted while crediting towards the total time of 150 hours requirement.



7.8.4 When the applicant has flight time as a pilot of aircraft in other categories, CAAN shall determine whether such experience is acceptable and, if so, the extent to which the flight time requirements of 7.8.1 can be reduced accordingly.

7.9 CPL – HELICOPTER - FLIGHT INSTRUCTION

7.9.1 The applicant shall have received dual instruction in helicopters from an authorized flight instructor. The instructor shall ensure that the applicant has operational experience in at least the following areas to the level of performance required for the commercial pilot:

- a) recognize and manage threats and errors;
- b) pre-flight operations, including mass and balance determination, helicopter inspection and servicing;
- c) aerodrome and traffic pattern operations, collision avoidance precautions and procedures;
- d) control of the helicopter by external visual reference;
- e) recovery at the incipient stage from settling with power; recovery techniques from low-rotor rpm within the normal range of engine rpm;
- f) ground manoeuvring and run-ups; hovering; take-offs and landings — normal, out of wind and sloping ground; steep approaches;
- g) take-offs and landings with minimum necessary power; maximum performance take-off and landing techniques; restricted site operations; quick stops; hovering out of ground effect; operations with external load, if applicable; flight at high altitude;
- h) basic flight manoeuvres and recovery from unusual attitudes by reference solely to basic flight instruments;
- i) cross-country flying using visual reference, dead reckoning and radio navigation aids;
- j) diversion procedures;
- k) abnormal and emergency procedures, including simulated helicopter equipment malfunctions, autorotative approach and landing;
- l) operations to, from and transiting controlled aerodromes, compliance with air traffic services procedures; and
- m) Communication procedures and phraseology.

7.9.2 Instrument and night flying under 7.8.2 c) and d) during the training do not entitle the holder of a commercial pilot license to pilot helicopters under IFR.

7.10 SPECIFIC REQUIREMENTS FOR THE ISSUE OF THE AIRSHIP CATEGORY RATING

7.10.1 Experience

7.10.1.1 The applicant shall have completed not less than 200 hours of flight time as a pilot.

7.10.1.1.1 The applicant shall have completed not less than:

- a) 50 hours as a pilot of airships;
- b) 30 hours in airships as pilot-in-command or pilot-in-command under supervision, to include not less than:
 - 10 hours of cross-country flight time; and
 - 10 hours of night flight;