



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

January 3, 2018

Attachment 9 – Canadian ATP Requirements

OPERATIONAL FACTORS/HUMAN PERFORMANCE

DCA17IA148

The following was located at: http://www.tc.gc.ca/eng/civilaviation/regserv/cars/part4-standards-421-1086.htm#421_34

DIVISION VIII - AIRLINE TRANSPORT PILOT LICENCE

421.34 Aeroplanes - Requirements

(1) Age

An applicant shall be a minimum of twenty-one years of age.

(2) Medical Fitness

(amended 2007/12/30; previous version)

(a) An applicant shall hold a Category 1 Medical Certificate valid for an Airline Transport Pilot Licence - Aeroplane.

(b) The licence holder may exercise Private Pilot Licence - Aeroplane privileges until the end of the medical period specified for the Private Pilot Licence.

(amended 2007/12/30; previous version)

(c) The licence is maintained by a valid Category 1 Medical Certificate.

(amended 2007/12/30; previous version)

(3) Knowledge

An applicant shall have obtained a minimum of 70% in each of three written examinations on the following aviation subjects:

(a) Airline Transport Pilot Licence (Aeroplane) Meteorology, Radio Aids to Navigation and Flight Planning (SAMRA) including:

(i) general system of weather collection and dissemination,

(ii) weather map, weather forecast, weather abbreviations, symbols and nomenclature,

(iii) pressure systems and their association with fronts, cloud forms and icing conditions,

(iv) the movement of upper winds and their effect on aircraft operations,

(v) weather service circulars and instructions for air route meteorological service which are pertinent to aircraft operations, and

(vi) radio communication procedures relating to aircraft operation; and

(b) Airline Transport Pilot Licence (Aeroplane) Air Law, Aeroplane Operation and Navigation General (SARON) including:

(i) basic principles of air navigation such as formulae, instruments and other navigational aids which are commonly used in the navigation of aircraft,

(ii) basic principles of loading and weight distribution and their effect on flight characteristics,

(iii) *Canadian Aviation Regulations*, Air Traffic Rules and Procedures, Information Circulars and NOTAM, and

(iv) human factors, including pilot decision-making; and

(c) Instrument Rating (INRAT).

(4) Experience

An applicant shall have met the training requirements for the issue of a Commercial Pilot Licence - Aeroplane that is not restricted to daylight flying and completed a minimum of 1500 hours total flight time of which a minimum of 900 hours shall have been completed in aeroplanes. The total flight time shall include a minimum of:

(amended 2000/09/01; previous version)

(a) 250 hours pilot-in-command flight time in aeroplanes which shall include where applicable, a maximum of 100 hours pilot-in-command under supervision flight time completed in accordance with [Section 421.11](#). The pilot-in-command and/or pilot-in-command under supervision flight time shall include a minimum of 100 hours cross-country flight time of which a minimum of 25 hours shall have been by night;

(b) 100 hours night flight time as pilot-in-command or as co-pilot of which a minimum of 30 hours shall have been acquired in aeroplanes;

(c) 100 additional hours cross-country flight time as pilot-in-command or 200 hours as co-pilot or any combination thereof, with flight time calculated in accordance with section [421.10](#). Flight time as pilot-in-command may be part of the 250 hours pilot-in-command flight time specified in paragraph (a); and

(amended 2005/12/01; previous version)

(d) 75 hours instrument flight time of which a maximum of 25 hours may have been acquired in approved instrument ground trainers and a maximum of 35 hours may have been acquired in helicopters. Instrument ground time shall not be applied toward the total 1500 hour flight time requirement.

(5) Skill

(a) Within the 12 months preceding the date of application for the licence, an applicant shall demonstrate in a multi-engined aeroplane with no central thrust configuration and fitted with instruments and equipment suitable for IFR flight in controlled airspace, familiarity with and the ability:

(amended 1999/03/01; previous version)

(i) to perform both normal and emergency flight procedures and manoeuvres appropriate to the aeroplane in which the flight test is conducted; and

(ii) to execute all manoeuvres and procedures set forth in [Division XIV](#) for issue of a Group 1 instrument rating.

(b) For issue of the Airline Transport Pilot Licence - Aeroplane, the Minister shall only endorse a Group 1 Instrument Rating on the licence.

(amended 2005/06/01; previous version)

(6) Credits - Experience

(a) Glider

Where an applicant holds a Pilot Licence - Glider, a maximum of 50 hours flight time in gliders shall be credited towards the total 1500 hour flight time requirement.

(b) Three Axis Ultra-light Aeroplanes

Where an applicant holds a Pilot Permit - Ultra-light Aeroplane, a Recreational Pilot Permit – Aeroplane, a Private Pilot Licence – Aeroplane or a Commercial Pilot Licence – Aeroplane, a maximum of 50 hours flight time in three axis ultra-light aeroplanes shall be credited towards the total 1500 hour flight time requirement.

(amended 2005/06/01; previous version)

(7) Credits for DND Applicants

Active and retired Canadian Forces personnel who hold a Canadian Forces Instrument Rating (unrestricted) in a multi-engined aeroplane (Group 1) shall be deemed to have met the skill requirement.