

2.7 AIR TRAFFIC CONTROLLER LICENCES, CATEGORIES AND RATINGS

2.7.1 APPLICABILITY

(a) This section prescribes the requirements for the issue, renewal and re-issue of an air traffic controller licence and ratings.

2.7.2 GENERAL

(a) An applicant shall, before being issued with an air traffic controllers licence, meet such requirements in respect of age, knowledge, experience, skill, medical fitness and language proficiency as are specified for that licence or rating.

(b) An applicant shall for renewal or re-issue of a licence, rating or authorisation meet the requirements as are specified for that licence, rating or authorisation.

2.7.3 AIR TRAFFIC CONTROLLER LICENCE AND RATINGS

2.7.3.1 AIR TRAFFIC CONTROLLER LICENCE

(a) Age. The applicant for an air traffic controller licence shall be not less than 21 years of age.

(b) Medical. The applicant for an air traffic controller licence shall hold a Class 3 medical certificate issued under this Part.

(c) Knowledge. The applicant for an air traffic controller licence shall receive knowledge instruction through an approved training course on the knowledge areas appropriate to the holder of an air traffic controller licence:

(1) Air law:

(i) Rules and regulations relevant to the air traffic controller.

(2) Air traffic control equipment:

(i) Principles, use and limitations of equipment used in air traffic control.

(3) General knowledge:

(i) Principles of flight; principles of operation and functioning of aircraft, powerplants and systems; aircraft performances relevant to air traffic control operations.

(4) Human performance: human performance relevant to air traffic control.

(5) Meteorology:

(i) Aeronautical meteorology; use and appreciation of meteorological documentation and information; origin and characteristics of weather phenomena affecting flight operations and safety; altimetry.

(6) Navigation:

(i) Principles of air navigation; principle, limitation and accuracy of navigation systems and visual aids.

(7) Operational procedures:

(i) Air traffic control, communication, radiotelephony and phraseology procedures (routine, non routine and emergency); use of the relevant aeronautical documentation; safety practices associated with flight.

(d) Knowledge testing. An applicant for an air traffic controller licence shall:

(1) Have received an endorsement for the knowledge test from an authorised instructor who:

(i) Conducted the training on the knowledge areas; and

(ii) Certifies that the person is prepared for the required knowledge test.

(2) Pass the required knowledge test.

(e) Experience. The applicant shall have completed an approved training course and not less than three months' satisfactory service engaged in the actual control of air traffic under the supervision of an appropriately rated air traffic controller. The experience requirements specified for air traffic controller ratings in paragraph 2.7.3.2 will be credited as part of the experience specified in this paragraph.

(f) Validity. Subject to compliance with the requirement specified in this Part, the validity period of the licence is 5 years.

2.7.3.2 AIR TRAFFIC CONTROLLER RATINGS

(a) Air traffic controller ratings shall comprise the following categories:

- (1) Aerodrome control .
- (2) Approach control procedural.
- (3) Approach control surveillance
- (4) Approach precision radar control.
- (5) Area control procedural.
- (6) Area control surveillance .

(b) Knowledge. The applicant for an air traffic controller rating shall receive knowledge instruction

through an approved training course on the knowledge areas appropriate to the holder of an air traffic controller rating on the subjects as specified below for each rating sought:

(1) Aerodrome control rating:

- (i) Aerodrome layout, physical characteristics and visual aids.
- (ii) Airspace structure.
- (iii) Applicable rules, procedures and source of information.
- (iv) Air navigation facilities.
- (v) Air traffic control equipment and its use.
- (vi) Terrain and prominent landmarks.
- (vii) Characteristics of air traffic.
- (viii) Weather phenomena.
- (ix) Emergency and search and rescue plans.

(2) Approach control and area control ratings:

- (i) Airspace structure;
- (ii) Applicable rules, procedures and source of information.
- (iii) Air navigation facilities.
- (iv) Air traffic control equipment and its use.
- (v) Terrain and prominent landmarks.
- (vi) Characteristics of air traffic and traffic flow.
- (vii) Weather phenomena.
- (viii) Emergency and search and rescue plans.

(3) Approach radar, approach precision radar and area radar control ratings. The applicant shall meet the requirements specified in (2) in so far as they affect the area of responsibility, and shall have demonstrated a level of knowledge appropriate to the privileges granted, in at least the following additional subjects:

- (i) Principles, use and limitations of radar, other surveillance systems and associated equipment; and
- (ii) Procedures for the provision of approach, precision approach or area radar control services, as appropriate, including procedures to ensure appropriate terrain clearance.

(c) Knowledge testing. An applicant for an air traffic controller rating shall:

- (1) Have received an endorsement for the knowledge test from an authorised instructor who:

- (i) Conducted the training on the knowledge areas; and
 - (ii) Certifies that the person is prepared for the required knowledge test; and
- (2) Pass the required knowledge test.
- (d) Experience. The applicant for an air traffic controller licence shall have:
 - (1) Satisfactorily completed an approved training course.
 - (2) Provided, satisfactorily, under the supervision of an appropriately rated air traffic controller:
 - (i) Aerodrome control rating: an aerodrome control service, for a period of not less than 90 hours or one month, whichever is greater, at the unit for which the rating is sought.
 - (ii) Approach, approach radar, area or area radar control rating: the control service for which the rating is sought, for a period of not less than 180 hours or three months, whichever is greater, at the unit for which the rating is sought.
 - (iii) Approach precision radar control rating: not less than 200 precision approaches of which not more than 100 shall have been carried out on a radar simulator approved for that purpose by the Authority. Not less than 50 of those precision approaches shall have been carried out at the unit and on the equipment for which the rating is sought.
 - (3) If the privileges of the approach radar control rating include surveillance radar approach duties, the experience shall include not less than 25 plan position indicator (ppi) approaches on the surveillance equipment of the type in use at the unit for which the rating is sought and under the supervision of an appropriately rated approach radar controller.
 - (4) The experience specified under (2)(ii) shall have been completed within the 6-month period immediately preceding application.
- (e) Skill. The applicant shall have demonstrated by passing the required skill test, at a level appropriate to the privileges being granted, the skill, judgement and performance required to provide a safe, orderly and expeditious control service.
- (f) Privileges and limitations.
 - (1) Subject to compliance with the requirements specified in this Part, the privileges of the holder of an air traffic controller licence with the following applicable rating(s) shall be:
 - (i) Aerodrome control rating: to provide or to supervise the provision of aerodrome control service for the aerodrome for which the licence holder is rated.
 - (ii) Approach control rating: to provide or to supervise the provision of approach control service for the aerodrome or aerodromes for which the licence holder is rated, within the airspace or portion thereof, under the jurisdiction of the unit providing approach control service.
 - (iii) Approach radar control rating: to provide and/or supervise the provision of approach control service with the use of radar or other surveillance systems for the aerodrome or aerodromes for which the licence holder is rated, within the airspace or portion thereof, under the jurisdiction of the unit providing approach control service. Subject to compliance with the provisions of (d)(2)(iii), the privileges shall include the provision of surveillance radar approaches.
 - (iv) Approach precision radar control rating: to provide and/or supervise the provision of precision approach radar service at the aerodrome for which the licence holder is rated.

(v) Area control rating: to provide and/or supervise the provision of area control service within the control area or portion thereof, for which the licence holder is rated.

(vi) Area radar control rating: to provide and/or supervise the provision of area control service with the use of radar, within the control area or portion thereof, for which the licence holder is rated.

(2) Before exercising the privileges indicated in (d)(1), the licence holder shall be familiar with all pertinent and current information.

(3) A holder of an air traffic controller licence and ratings(s) shall not provide instruction in an operational environment unless the licence holder has received proper authorisation from the Authority.

(g) Validity of ratings. A rating shall become invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period of 6 months. A rating shall remain invalid until the controller's ability to exercise the privileges of the rating has been re-established.