

CHAPTER 4**FLIGHT DISPATCHER LICENCE****4.1 Requirements for the Issue of the Licence****4.1.1 General**

An applicant for a flight dispatcher licence shall, before being issued with any licence, meet such requirements in respect of age, knowledge, experience and skill, as are specified for that licence.

An applicant for flight dispatcher licence shall demonstrate, in a manner determined by the Authority, such requirements in respect of knowledge and skill as are specified for that licence.

4.1.2 Age

The applicant shall be not less than 21 years of age.

4.1.3 Knowledge

The applicant shall have demonstrated a level of knowledge appropriate to the privileges granted to the holder of a flight dispatcher licence, in at least the following subjects:

Air law

- (a) rules and regulations relevant to the holder of a flight dispatcher licence; appropriate air traffic services practices and procedures;

Aircraft general knowledge

- (b) principles of operation of aeroplane powerplants, systems and instruments;
- (c) operating limitations of aeroplanes and powerplants;
- (d) minimum equipment list;

Flight performance calculation, planning procedures and loading

- (e) effects of loading and mass distribution on aircraft performance and flight characteristics; mass and balance calculations;
- (f) operational flight planning; fuel consumption and endurance calculations; alternate aerodrome selection procedures; en-route cruise control; extended range operation;
- (g) preparation and filing of air traffic services flight plans;
- (h) basic principles of computer-assisted planning systems;

Human performance

- (i) human performance relevant to dispatch duties;

Meteorology

- (j) aeronautical meteorology; the movement of pressure systems; the structure of fronts, and the origin and characteristics of significant weather phenomena which affect take-off, en-route and landing conditions;
- (k) interpretation and application of aeronautical meteorological reports, charts and forecasts; codes and abbreviations; use of, and procedures for obtaining, meteorological information;

Navigation

- (l) principles of air navigation with particular reference to instrument flight;

Operational procedures

- (m) use of aeronautical documentation;
- (n) operational procedures for the carriage of freight and dangerous goods;
- (o) procedures relating to aircraft accidents and incidents; emergency flight procedures;
- (p) procedures relating to unlawful interference and sabotage of aircraft;

Principles of flight

- (q) principles of flight relating to the appropriate category of aircraft; and

Radio communication

- (r) procedures for communicating with aircraft and relevant ground stations.

4.1.4 Experience

The applicant shall have gained the following experience:

- (a) a total of two years of service in any one or in any combination of the capacities specified in (1) to (3) inclusive, provided that in any combination of experience the period serviced in any capacity shall be at least one year:
 - (1) a flight crew member in air transportation; or
 - (2) a meteorologist in an organisation dispatching aircraft in air transportation; or
 - (3) an air traffic controller; or a technical supervisor of flight dispatchers or air transportation flight operations systems;

or
- (b) at least one year as an assistant in the dispatching of air transport;

or

- (c) have satisfactorily completed a course of approved training.

4.1.5 The applicant shall have served under the supervision of a flight dispatcher for at least 90 working days within the six months immediately preceding the application.

4.1.6 Skill

The applicant shall have demonstrated the ability to:

- (a) make an accurate and operationally acceptable weather analysis from a series of daily weather maps and weather reports; provide an operationally valid briefing on weather conditions prevailing in the general neighbourhood of a specific air route; forecast weather trends pertinent to air transportation with particular reference to destination and alternates;
- (b) determine the optimum flight path for a given segment, and create accurate manual and/or computer generated flight plans; and
- (c) provide operating supervision and all other assistance to a flight in actual or simulated adverse weather conditions, as appropriate to the duties of the holder of a flight dispatcher licence.

4.2 Privileges of the Holder of the Licence

Subject to compliance with the validity of licence, ratings, competency and language proficiency requirements, the privileges of the holder of a flight dispatcher licence shall be to serve in that capacity with responsibility for each area for which the applicant meets the requirements specified in ANTR OPS 1 and/or ANTR OPS 3 as applicable.

- (b) 40 hours of instrument time in aircraft of which not more than 20 hours, or 30 hours where a flight simulator is used, may be instrument ground time. The ground time shall be under the supervision of an authorised instructor.

8.3.6 Flight instruction

8.3.6.1 The applicant shall have gained not less than 10 hours of the instrument flight time required in 8.3.5.2 (b) while receiving dual instrument flight instruction in the aircraft category being sought, from an authorised 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 holder of an instrument rating:

- (a) pre-flight procedures, including the use of the flight manual or equivalent document, and appropriate air traffic services documents in the preparation of an IFR flight plan;
- (b) pre-flight inspection, use of checklists, taxiing and pre-take-off checks;
- (c) procedures and manoeuvres for IFR operation under normal, abnormal and emergency conditions covering at least:
 - transition to instrument flight on take-off;
 - standard instrument departures and arrivals;
 - en-route IFR procedures;
 - holding procedures;
 - instrument approaches to specified minima;
 - missed approach procedures;
 - landings from instrument approaches;
- (d) in-flight manoeuvres and particular flight characteristics.

8.3.6.2 If the privileges of the instrument rating are to be exercised on multi-engined aircraft, the applicant shall have received dual instrument flight instruction in a multi-engined aircraft within the appropriate category from an authorised flight instructor. The instructor shall ensure that the applicant has operational experience in the operation of the aircraft within the appropriate category by reference solely to instruments with one engine inoperative or simulated inoperative.

8.4 Requirements for the Issue of Flight instructor rating

Requirements for the issue of the FI rating appropriate to airships

8.4.1 Knowledge

[The applicant shall have met the knowledge requirements for the issue of a commercial pilot licence as appropriate to the category of aircraft licence.] In addition, the applicant

shall have demonstrated a level of knowledge appropriate to the privileges granted to the holder of a flight instructor rating, in at least the following areas:

- (a) techniques of applied instruction;
- (b) assessment of student performance in those subjects in which ground instruction is given;
- (c) the learning process;
- (d) elements of effective teaching;
- (e) student evaluation and testing, training philosophies;
- (f) training programme development;
- (g) lesson planning;
- (h) classroom instructional techniques;
- (i) use of training aids, including flight simulation training devices as appropriate;
- (j) analysis and correction of student errors;
- (k) human performance relevant to flight instruction including principles of threat and error management;
- (l) hazards involved in simulating system failures and malfunctions in the aircraft.

8.4.2 Skill

The applicant shall have demonstrated, in the category and class of aircraft for which flight instructor privileges are sought, the ability to instruct in those areas in which flight instruction is to be given, including pre-flight, post-flight and ground instruction as appropriate.

8.4.3 Experience

The applicant shall have met the experience requirements for the issue of a commercial pilot licence as specified in 8.3.5.

8.4.4 Flight instruction

The applicant shall, under the supervision of a flight instructor accepted by the Authority for that purpose:

- (a) have received instruction in flight instructional techniques including demonstration, student practices, recognition and correction of common student errors; and
- (b) have practised instructional techniques in those flight manoeuvres and procedures in which it is intended to provide flight instruction.

8.4.5 Privileges of the holder of the rating and the conditions to be observed in exercising such privileges

8.4.5.1 Subject to compliance with the requirements specified in this Part, the privileges of the holder of a flight instructor rating shall be:

- (a) to supervise solo flights by student pilots; and
- (b) to carry out flight instruction for the issue of a private pilot licence, a commercial pilot licence, an instrument rating, and a flight instructor rating provided that the flight instructor:
 - (1) holds at least the licence and rating for which instruction is being given in airships;
 - (2) holds the licence and rating necessary to act as the pilot-in-command of the aircraft on which the instruction is given; and
 - (3) has the flight instructor privileges granted entered on the licence.

8.4.5.2 The applicant, in order to carry out instruction for the multi-crew pilot licence, shall have also met all the instructor qualification requirements.