



**REPUBLIC OF LEBANON  
CIVIL AVIATION AUTHORITY**

*LARs*

# **LEBANESE AVIATION REGULATIONS**

*Part IV*  
**PERSONNEL LICENSING**

*Subpart 2*  
**AIR TRAFFIC  
CONTROLLER LICENSING**

**Republic of Lebanon** 

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## Subpart 2 – Air Traffic Controller Licensing

### 402.01 Interpretation

In this Subpart:

1. Any reference in this Part to the personnel licensing standards is a reference to the *Personnel Licensing Standards Respecting Air Traffic Controller Licensing*.
2. Any reference to "the Authority" is a reference to the Directorate General of Civil Aviation (DGAC) or the Civil Aviation Authority (CAA) that may replace the DGCA.
3. "*Proficiency check*" means an assessment of the operational knowledge, skill and judgement of the holder of, or an applicant for, an air traffic control licence or rating, with respect to the provision of the requisite air traffic services relating to that licence or rating at that specific ATC unit.
4. "*ATC unit*" means the operational location that provides a specific air traffic control service.
5. "Operational environment" means a functioning ATC unit that is providing a specific air traffic control service.

### 402.02 Application

This Subpart applies to persons who hold or apply for the issuance or renewal of an air traffic controller licence and ratings referred to in this Subpart.

### 402.03 Authority to Act as an Air Traffic Controller in Lebanon

1. No person shall act as an air traffic controller or exercise the privileges of an air traffic controller licence, unless that person holds and can produce while so acting and while exercising such privileges:
  - a. an air traffic controller licence endorsed with a rating appropriate to the privileges being exercised and at that ATC unit; and
  - b. a valid Class 3 or Class 1 Medical Certificate.
2. Paragraph 1.a does not apply to a person who, while under the supervision of an air traffic control instructor, acts as air traffic control trainee or exercises the privileges of an air traffic controller licence when undergoing:
  - a. instruction, training or testing in respect of an air traffic controller licence; or
  - b. ATC unit familiarization in the course of the person's employment.

### 402.04 Issuance and Endorsement of Air Traffic Controller Licences and Ratings

1. Subject to **Article xxx** of the Act the Authority shall, on receipt of an application submitted in the form and manner specified in the personnel licensing standards, issue an air traffic controller licence or endorse the applicant's air traffic controller licence with a rating where the applicant provides documentation to the Authority that establishes:
  - a. the applicant's citizenship; and

- b. that the applicant meets the applicable requirements set out in the personnel licensing standards in respect of:
  - i. minimum age,
  - ii. medical fitness,
  - iii. knowledge,
  - iv. experience,
  - v. skill, and
  - vi. language proficiency.
2. The Authority may specify in an air traffic controller licence any condition in respect of the exercise of the privileges of the licence or the privileges of a rating endorsed on the licence, if the condition is required to ensure aviation safety, including any condition in respect of:
  - a. the training of the licence holder;
  - b. the supervision of the licence holder;
  - c. the equipment that the licence holder may use; or
  - d. the ATC unit at which the licence holder may exercise the privileges of the holder's air traffic controller licence.

#### **402.05 Recency Requirements**

The holder of an air traffic controller licence shall not exercise the privileges of that licence at an air traffic control unit unless the holder has:

- a. successfully completed a proficiency check at that ATC unit within the preceding 12 months, and
- b. has exercised the privileges of the rating at that ATC unit within the preceding six months.

#### **402.06 Privileges**

The holder of an air traffic controller licence may, in accordance with the personnel licensing standards, the *Lebanese Air Traffic Control Manual of Operations*, the *Lebanese Domestic Air Traffic Control Separation Standards*, and *Annex 11 To The Convention on International Civil Aviation* provide or supervise the provision of:

- a. aerodrome control service for any aerodrome for which the licence is endorsed with an aerodrome control rating;
- b. non-radar approach control service for the aerodrome or aerodromes for which the licence is endorsed with an approach non-radar control rating, within the airspace or portion thereof, under the jurisdiction of the ATC unit providing the approach control service;
- c. approach control service using radar or other surveillance systems, for the aerodrome or aerodromes for which the licence is endorsed with an approach radar control rating, within the airspace or portion thereof, under the jurisdiction of the ATC unit providing the approach control service;
- d. non-radar area control service within the control area or portion thereof, for which the licence is endorsed with an area non-radar control rating;
- e. area control service using radar or other surveillance systems, within the control area or portion thereof, for which the licence is endorsed with an area radar control rating.
- f. training of an air traffic controller or an air traffic control trainer in an operational environment for which the licence is endorsed with an instructor rating.



#### **402.16 Training Records**

The Chief of an ATC unit or the head of a training school shall:

- a. maintain, in a form acceptable to the Authority, a training record for each person undergoing training at the ATC unit or school for the purpose of obtaining a licence, rating or operational location endorsement in respect of the ATC unit;
- b. enter the licence number of the training officer or supervisor in the training record and certify that any information entered in the record is correct by signing and dating the entry and any amendment thereto;
- c. at the request of any person who is undergoing or has undergone training at the ATC unit or school, provide a copy of the person's training record to the person; and
- d. at the request of the Authority, provide the Authority with a copy of the training record of any person who is undergoing or has undergone training at the ATC unit and who holds an air traffic controller licence.

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## **s402 - Personnel Licensing Standards Respecting Air Traffic Controller Licensing**

### **s402.04 Issue and Endorsement of Air Traffic Controller Licences and Ratings**

#### **1. General**

- a. An applicant shall, during the 18 month period immediately preceding the date of issue of a licence:
  - i. submit an application; and
  - ii. complete all tests and examinations for issuance of a licence.
- b. Ratings to an Air Traffic Controller Licence, which may be endorsed for one or more specified operational locations, are:
  - i. Aerodrome Control;
  - ii. Approach Non-radar Control;
  - iii. Approach Radar Control;
  - iv. Area Non-radar Control; and
  - v. Area Radar Control.
- c. An instructor rating may also be endorsed on an Air Traffic Controller licence.
- d. Prior to the issue of an Air Traffic Controller Licence, or the endorsement of an Air Traffic Controller Licence with a rating, and before any privileges may be exercised, an applicant shall have met all requirements set out in this section and in the Regulations for the endorsement of a particular rating at a specific location.
- e. An applicant shall have demonstrated ability to perform those functions applicable to the privileges to be granted.
- f. Application for the issue of a licence or endorsement of a rating or a location shall be made on form LAR 402/01 accompanied by a copy of the applicants training record.

#### **2. Licences**

- a. Citizenship - An applicant's citizenship must be shown on an Air Traffic Controller licence. The following documents are acceptable as proof of citizenship:
  - i. a Lebanese Identity Card;
  - ii. a valid passport; or
  - iii. an aviation personnel licence showing the citizenship of the holder and issued by the state of which the applicant is a citizen, plus a second legal document satisfactory to the Authority.
- b. Requirements:
  - i. Minimum Age - An applicant shall be not less than 19 years of age. The following documents are acceptable proof of age of an applicant for an air traffic controller licence:
    - A. a Lebanese Identity Card;
    - B. a valid passport; or
    - C. an aviation personnel licence showing the citizenship of the holder and issued by the state of which the applicant is a citizen, plus a second legal document satisfactory to the Authority.
  - ii. Medical Fitness - An applicant shall have completed the medical examination requirements in accordance with the Personnel Licensing and Training Standards Respecting Medical Requirements and be in possession of a Class3 Medical Certificate

valid for an Air Traffic Controller Licence. A valid Class 1 Medical Certificate is also acceptable.

- iii. Knowledge - An applicant shall have successfully completed Air Traffic Controller basic training and written examinations prescribed by the Authority on:
  - A. Air law - rules and regulations relevant to the air traffic controller;
  - B. Air traffic control equipment - principles, use and limitations of equipment used in air traffic control;
  - C. General knowledge - principles of flight; principles of operation and functioning of aircraft, powerplants and systems; aircraft performances relevant to air traffic control operations;
  - D. Human performance and limitations - human performance and limitations relevant to air traffic control;
  - E. Meteorology - aeronautical meteorology; use and appreciation of meteorological documentation and information; origin and characteristics of weather phenomena affecting flight operations and safety; altimetry;
  - F. Navigation - principles of air navigation; principle, limitation and accuracy of navigation systems and visual aids; and
  - G. Operational procedures - air traffic control, communication, radiotelephony and phraseology procedures (routine, non routine and emergency); use of the relevant aeronautical documentation; safety practices associated with flight.
- iv. Experience and Skill - An applicant shall have met all approved practical training course standards and requirements for the endorsement of one or more of the Ratings.
- v. Language - An applicant shall demonstrate to the satisfaction of the Authority, the ability to use the English language without accent or impediment which would adversely affect radio communication.

### 3. Ratings

An applicant shall demonstrate the level of knowledge, judgement, experience and skill for the endorsement of the Rating applied for as follows:

- a. Aerodrome Control Rating:
  - i. Knowledge - An applicant for an Aerodrome Control Rating shall have successfully completed a course and exams prescribed by the Authority and have demonstrated knowledge of the particular ATC Unit for which the rating is desired. The course of training shall include:
    - A. aerodrome layout; physical characteristics and visual aids;
    - B. airspace structure;
    - C. applicable rules, procedures and source of information;
    - D. air navigation facilities;
    - E. air traffic control equipment and its use;
    - F. terrain and prominent landmarks;
    - G. characteristics of air traffic;
    - H. weather phenomena; and
    - I. emergency and search and rescue plans;
  - ii. Experience - During the six months preceding the endorsement of an aerodrome control rating, the applicant shall have:
    - A. successfully completed a practical training course prescribed by the Authority; and
    - B. served under the supervision of a qualified aerodrome air traffic controller for:

- (I) not less than 180 hours or three months, whichever is greater, in the case of the initial issue of an Air Traffic Controller Licence;
  - (II) not less than 90 hours or one month, whichever is greater, in the case of the initial issue of an aerodrome control rating to the holder of a licence endorsed with an approach control or area control rating; or
  - (III) a period of time necessary to demonstrate competence in the case of the endorsement of an additional location to the holder of a licence with an existing aerodrome control rating.
- iii. Skill – An applicant shall have successfully completed an aerodrome control proficiency check.
- b. Approach Non-radar Control Rating:
- i. Knowledge - An applicant for an Approach Non-radar Control Rating shall have successfully completed a course and exams prescribed by the Authority and have demonstrated knowledge of the particular ATC unit for which the rating is desired. The course of training shall include:
    - A. airspace structure;
    - B. applicable rules, procedures and source of information;
    - C. air navigation facilities;
    - D. air traffic control equipment and its use;
    - E. terrain and prominent landmarks;
    - F. characteristics of air traffic and traffic flow;
    - G. weather phenomena; and
    - H. emergency and search and rescue plans.
  - ii. Experience - During the six months preceding the endorsement of an Approach Non-radar Control Rating, the applicant shall have:
    - A. successfully completed a practical training courses prescribed by the Authority; and
    - B. served under the supervision of a qualified air traffic controller that holds an approach non-radar control rating in a combination of actual and simulated non-radar approach control environment for:
      - (I) not less than 180 hours or three months, whichever is greater, in the case of the initial issue of an Air Traffic Controller Licence;
      - (II) not less than 90 hours or one month, whichever is greater, in the case of the initial issue of an approach non-radar control rating to the holder of a licence endorsed with an aerodrome control or area control rating; or
      - (III) a period of time as necessary to demonstrate competence in the case of the endorsement of an additional location to the holder of a licence with an existing approach non-radar control rating.
  - iii. Skill – An applicant shall have successfully completed an approach non-radar control proficiency check.
- c. Approach Radar Control Rating:
- i. Knowledge - An applicant for an Approach Radar Control Rating shall have successfully completed a course and exams prescribed by the Authority and have demonstrated knowledge of the particular ATC unit for which the rating is desired. The course of training shall include:
    - A. the Knowledge requirements specified for the Approach Non-radar Control rating;
    - B. principles, use and limitations of radar, other surveillance systems and associated equipment; and

- C. procedures for the provision of approach control services including procedures to ensure appropriate terrain clearance.
  - ii. Experience - During the six months preceding the endorsement of an Approach Radar Control Rating, the applicant shall have:
    - A. successfully completed a practical training courses prescribed by the Authority; and
    - B. served under the supervision of a qualified air traffic controller that holds an approach radar control rating in a radar environment for:
      - (I) not less than 180 hours or three months, whichever is greater, in the case of the initial issue of an Air Traffic Controller Licence;
      - (II) not less than 60 hours or one month, whichever is greater, in the case of the initial issue of an approach radar control rating to the holder of a licence endorsed with an aerodrome control, approach non-radar control or area control rating; or
      - (III) a period of time as necessary to demonstrate competence in the case of the endorsement of an additional location to the holder of a licence with an existing approach radar control rating.
  - iii. Skill – An applicant shall have successfully completed an approach radar control proficiency check.
- d. Area Non-radar Control Rating:
- i. Knowledge - An applicant for an Area Non-radar Control Rating shall have successfully completed a course and exams prescribed by the Authority and have demonstrated knowledge of the particular ATC unit for which the rating is desired. The course of training shall include:
    - A. airspace structure;
    - B. applicable rules, procedures and source of information;
    - C. air navigation facilities;
    - D. air traffic control equipment and its use;
    - E. terrain and prominent landmarks;
    - F. characteristics of air traffic and traffic flow;
    - G. co-ordination procedures and airspace agreements between the area control center and other underlying and adjacent air traffic control units;
    - H. weather phenomena in the area and adjacent areas; and
    - I. emergency and search and rescue plans.
  - ii. Experience - During the six months preceding the endorsement of an Area Non-radar Control Rating, the applicant shall have:
    - A. successfully completed a practical training course prescribed by the Authority; and
    - B. served under the supervision of a qualified area air traffic controller in a combination of non-radar area control environment and simulation for:
      - (I) not less than 180 hours or three months, whichever is greater, in the case of the initial issue of an Air Traffic Controller Licence;
      - (II) not less than 90 hours or one month, whichever is greater, in the case of the initial issue of an area control rating to the holder of a licence endorsed with an aerodrome control or approach control rating; or

- (III) a period of time as necessary to demonstrate competence in the case of the endorsement of an additional location of the holder of a licence with an existing area control rating.
- iii. Skill – An applicant shall have successfully completed an area non-radar control proficiency check.
- e. Area Radar Control Rating:
  - i. Knowledge - An applicant for an Area Radar Control Rating shall have successfully completed a course and exams prescribed by the Authority and have demonstrated knowledge of the particular ATC unit for which the rating is desired. The course of training shall include:
    - A. the Knowledge requirements specified for the Area Non-radar Control rating;
    - B. principles, use and limitations of radar, other surveillance systems and associated equipment; and
    - C. procedures for the provision of approach control services including procedures to ensure appropriate terrain clearance.
  - ii. Experience - During the six months preceding the endorsement of an Area Radar Control Rating, the applicant shall have:
    - A. successfully completed an air traffic control training course prescribed by the Authority; and
    - B. served under the supervision of a qualified area air traffic controller in a radar area control environment for:
      - (I) not less than 180 hours or three months, whichever is greater, in the case of the initial issue of an Air Traffic Controller Licence;
      - (II) not less than 90 hours or one month, whichever is greater, in the case of the initial issue of an area control rating to the holder of a licence endorsed with an aerodrome control or approach control rating; or
      - (III) a period of time as necessary to demonstrate competence in the case of the endorsement of an additional location of the holder of a licence with an existing area control rating.
  - iii. Skill – An applicant shall have successfully completed an area radar control proficiency check.
- f. Instructor Rating:
  - i. Knowledge - An applicant for an Instructor Rating shall have successfully completed a course and exams prescribed by the Authority. The course of training shall include the:
    - A. principles of learning and techniques of instruction;
    - B. application of instructional techniques;
    - C. preparation and use of lesson plans;
    - D. use of training aids;
    - E. procedures for planning and presenting operational training, pre-training briefings and post training de-briefings; and
    - F. assessment of student performance, evaluation and testing.
  - ii. Experience – An applicant shall have completed at least:
    - A. 12 months experience in the operational environment (aerodrome control, approach control or area control); and
    - B. 20 hours experience delivering practical training under the supervision of the holder of an Air Traffic Controller licence that is endorsed with an Instructor Rating.

- iii. Skill – An applicant shall have successfully demonstrated to the Unit Manager, the ability to provide operational training.

#### **4. Foreign Credits**

The Authority shall review the training, experience and work history of each applicant and the licensing requirements of the state of issue of the licence, on an individual basis. Credits toward the issue of a Lebanese air traffic controller licence will be assigned on the basis of this review.