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CAR-FCL SUPPLEMENT

FOREWORD

- a. CAR-FCL SUPPLEMENT has been issued by the Civil Aviation Affairs of Oman (hereinafter called the AUTHORITY) under the provisions of the Civil Aviation Law of the Sultanate of Oman.

- b. CAR-FCL SUPPLEMENT comprises of Civil Aviation Requirements for Air Traffic Controller- and Cabin Crew Licensing (CAR- SUPPLEMENT) and the Medical Standards for the issue of medical certificates.

- c. The editing practices used in this document are as follows:
 - (1) 'Shall' is used to indicate a mandatory requirement and may appear in CAR's.
 - (2) 'Should' is used to indicate a recommendation and normally appears in AMCs and IEMs.
 - (3) 'May' is used to indicate discretion by the AUTHORITY, the industry or the applicant, as appropriate.
 - (4) 'Will' indicates a mandatory requirement and is used to of action incumbent on the AUTHORITY.

NOTE: The use of the male gender implies the female gender and vice versa.

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SUBPART A - Cabin Crew Licence**CAR-FCL Suppl.3.5 Cabin Crew Licence**

Note: CAR-OPS Subpart O, contains guidance material for a course of training for cabin attendant Licence.

CAR-FCL Suppl.3.5.1 The requirements for the issue of the Licence**(a) Age**

The applicant shall be not less than 18 years of age.

(b) Restrictions on privileges of holders who have attained their 60th birthday

- The holder of a cabin attendants Licence who has exceeded his / her 60th birthday can only operate in an aircraft requiring two or more cabin crew and a maximum of only one such person is acceptable in the certified minimum cabin crew complement for a flight on that type of aircraft.
- These Licences would cease to be valid after attaining the 65th birthday.
- Special prescribed medical requirements as detailed under CAR-FCL 3.6.6 have to be satisfactorily met for extension of privileges beyond the 60th birthday.

(c) Applicants for a cabin crew Licence must successfully have completed the initial, conversion and recurrent training as required under CAR-Ops Subpart O.

CAR-FCL Suppl.3.5.2 Medical fitness

The applicant shall hold a Class 2 Medical Certificate.

CAR-FCL Suppl.3.5.3 Privileges of the holder of the Cabin Crew Licence

The holder of this Licence shall be entitled to act as flight cabin attendant on any type of aircraft specified in the aircraft rating included in the Licence.

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SUBPART B – Air Traffic Controller’s License**CAR-FCL Suppl.4.1 Authority to act as an Air Traffic Controller**

(a) A person shall not act as an Air Traffic Controller unless a valid Licence and rating issued by the AUTHORITY is held with the proficiency check for the station being current or the Licence and rating issued by another contracting state has been rendered valid and the person has been checked for his proficiency at the specific station by an AUTHORITY approved Examiner and granted approval to perform such Air Traffic Control functions.

(b) Notwithstanding the provisions of paragraph (a) above, a person may act as an Air Traffic Controller Trainee at an Air Traffic Control Station in the Sultanate of Oman for the purposes of undergoing **On-The-Job** Training or tests for the grant or renewal or extension of a rating without being the holder of an appropriate Licence or rating if he acts under the supervision and in the presence of another person who is the holder of an appropriate Licence and rating and has been approved for conducting **On-the-Job** Training for the person undergoing the training or tests.

Note: An appropriate Licence and rating for the purposes of this rule means a Licence which entitles the holder to perform the functions he undertakes at the Air Traffic Control station concerned.

(c) Not exercising the privileges of a Licence for long periods.

If the holder of an Air Traffic Controller’s Licence does not exercise the privileges of the Licence for a period exceeding 36 months, the Licence shall become invalid. The individual shall have to satisfy all the requirements as specified under **this Subpart** for the issue of the Licence. If the period of not exercising the privileges is more than 24 months but not exceeding 36 months, the holder shall undergo the following for the reactivation of the Licence:

(i) A medical examination appropriate to the initial issue of the Licence;

(ii) Knowledge

The holder shall have demonstrated a level of knowledge appropriate to the Licence in the following areas:

(1) Air law: rules and regulations relevant to the air traffic controller;

(2) Air traffic control equipment: principles, use and limitations of equipment used in air traffic control;

(3) Navigation: principles of air navigation; principle, limitation and accuracy of navigation systems and visual aids; and

(4) 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;

(iii) Skill

The holder would be subjected to an adequately detailed refresher training course to cover all aspects of responsibility and procedures appropriate to the Air Traffic Control Rating sought to be reactivated in the Licence and shall have demonstrated to the satisfaction of an appropriately approved AUTHORITY examiner that he or she has adequate competency appropriate to the privileges and rating of the Air Traffic Controller’s Licence. Such competency shall be checked

only after **adequate** On-the-Job-Training has been carried out at the Air Traffic Control station concerned.

Cases of holders of other types of Licences who have not exercised their privileges under the Licence for a period exceeding 24 months shall be considered on a case to case basis.

CAR-FCL Suppl.4.1.1 Requirements for the issue of the Licence

Before issuing an air traffic controller Licence, the applicant shall meet the requirements of at least one of the ratings set out in CAR-FCL Suppl.4.2. **and the following:**

(a) Age

- (i) The applicant shall be not less than 21 years of age.
- (ii) Special prescribed medical requirements as detailed under CAR-FCL 3.6.6 have to be satisfactorily met for extension of privileges beyond the 60th birthday.
- (ii) Licences would cease to be valid after attaining the 65th birthday.

(b) Knowledge

The applicant shall have demonstrated a level of knowledge appropriate to the holder of an air traffic controller Licence, in at least the following subjects:

- (i) Air law: rules and regulations relevant to the air traffic controller;
- (ii) Air traffic control equipment: principles, use and limitations of equipment used in air traffic control;
- (iii) General knowledge: principles of flight; principles of operation and functioning of aircraft, power-plants and systems; aircraft performances relevant to air traffic control operations;
- (iv) Human performance and limitations: human performance and limitations relevant to air traffic control;
- (v) Language: from 5 March 2008, applicants for a licence and licence holders who are required to use the radio telephone shall demonstrate the ability to speak and understand the English language used for radiotelephony communications in accordance with Appendix 1 to CAR-FCL 1.010. The English language proficiency required must be at least Operational Level (level 4) of the ICAO Language Proficiency Rating (see Appendix 2 to CAR-FCL 1.010 and AMC No. 1 to CAR-FCL 1.010);
- (vi) Meteorology: aeronautical meteorology; use and appreciation of meteorological documentation and information; origin and characteristics of weather phenomena affecting flight operations and safety; altimetry;
- (vii) Navigation: principles of air navigation; principle, limitation and accuracy of navigation systems and visual aids;

(viii) Operational procedures: air traffic control, communication, radiotelephony and phraseology procedures (routine and emergency); use of the relevant aeronautical documentation; safety practices associated with flight; and

(c) 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 CAR-FCL Suppl.4.2 may be credited as part of the experience specified in this paragraph.

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CAR-FCL Suppl.4.1.2 Medical fitness

The applicant shall hold a current Class 2 Medical Certificate.

CAR-FCL Suppl.4.2 Air traffic controller ratings

Air traffic controller ratings shall comprise the following categories:

- (a) aerodrome control rating;
- (b) approach control **procedural** rating;
- (c) approach control **surveillance** rating;
- (d) area control **procedural** rating; and
- (e) area control **surveillance** rating.

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CAR-FCL Suppl.4.2.1 Requirements for air traffic controller ratings

(a) Knowledge

The applicant shall have demonstrated a level of knowledge appropriate to the privileges granted, in at least the following subjects in so far as they affect the area of responsibility;

- (i) aerodrome control rating:
 - aerodrome layout; physical characteristics and visual aids;
 - airspace structure;
 - applicable rules, procedures and source of information;
 - air navigation facilities;
 - air traffic control equipment and its use;
 - terrain and prominent landmarks;
 - characteristics of air traffic;
 - weather phenomena; and
 - emergency and search and rescue plans.
- (ii) approach control **procedural** and area control **procedural** ratings:
 - airspace structure;
 - applicable rules, procedures and source of information;
 - air navigation facilities;
 - air traffic control equipment and its use;

- terrain and prominent landmarks;
- characteristics of air traffic and traffic flow;
- weather phenomena; and
- emergency and search and rescue plans.

(iii) approach control *surveillance* and area control *surveillance* ratings: the applicant shall meet the requirements specified in (ii) 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:

- principles, use and limitations of radar, other *surveillance* systems and associated equipment; and
- procedures for the provision of approach *surveillance*, precision approach *surveillance* or area *surveillance* control services, as appropriate, including procedures to ensure appropriate terrain clearance.

(b) Experience

The applicant shall have:

(i) for all ratings sought: satisfactorily completed an approved training course;

(ii) for procedural ratings: satisfactorily completed a minimum of 5 hours simulation in the Muscat FIR environment for approach, when an approach control procedural rating is sought, and/or a minimum of 2 hours simulation in the Muscat FIR environment for each sector within the ACC, when an area control procedural rating is sought.

Note: procedural control ratings shall only be granted in conjunction with the associated surveillance control rating.

(iii) the experience specified in (ii) may be obtained from the CAA's air traffic service provider or from a training institute or college approved/recognized by the CAA.

(iv) for aerodrome control and *surveillance* ratings: provided, satisfactorily, under the supervision of an appropriately rated air traffic controller:

- aerodrome control rating: an aerodrome control service, for a period of not less than 120 hours or two months, whichever is greater, at the unit for which the rating is sought;
- approach control *surveillance* or area control *surveillance* 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; and

(v) the experience specified in (iv) shall have been completed within the 6-month period immediately preceding application.

(vi) when the applicant already holds an air traffic controller rating in another category, or the same rating for another unit, the AUTHORITY shall determine whether the experience requirement of CAR-FCL Suppl.4.2.1 (b) can be reduced, and if so, to what extent.

(c) Skill

The applicant shall have demonstrated, at a level appropriate to the privileges being granted, the skill, judgement and performance required to provide a safe, orderly and expeditious control service.

(d) Concurrent issuance of two air traffic controller ratings

When two air traffic controller ratings are sought concurrently, the AUTHORITY shall determine the applicable requirements on the basis of the requirements for each rating. These requirements shall not be less than those of the more demanding rating.

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CAR-FCL 4.2.2 Privileges of the holder of the air traffic controller rating(s)

(a) The privileges of the holder of an air traffic controller Licence endorsed with one or more of the under mentioned ratings 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 **procedural** 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 control **surveillance** rating: to provide and/or supervise the provision of approach control service with the use of applicable ATS 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;

(iv) area control **procedural** rating: to provide and/or supervise the provision of area control service within the control area or portion thereof, for which the License holder is rated;

(v) area control **surveillance** rating: to provide and/or supervise the provision of area control service with the use of an ATS surveillance system, within the control area or portion thereof, for which the License holder is rated.

(b) Before exercising the privileges indicated in (a), the Licence holder shall be familiar with all pertinent and current information.

(c) The holder of an air traffic controller Licence shall not carry out instruction in an operational environment unless such holder has received proper authorisation from the AUTHORITY.

(d) 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 six months. A rating shall remain invalid until the controller's ability to exercise the privileges of the rating has been re-established **as determined by the AUTHORITY**.

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