



Part 65

Certification of Ground Crew- Members

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SUBPART A **General**

65.1 Applicability

This Part prescribes the requirements for issuing the following certificates and associated ratings and the general operating rules for the holders of those certificates and ratings:

- (a) General rules for issuance and renewal of type rated licenses and adding types under this Part
- (b) Rules for issue and renewal of an aircraft maintenance license without type rating
- (c) Rules for issue and renewal of an aircraft maintenance type rated license
- (d) Welder and welding operator privileges
- (e) Evaluation of: maintenance licenses with appropriate category of license without type rating (LWTR), authorizations or qualifications of Egyptian and foreign airmen other than flight crewmembers, and validation of foreign certificates and/or licenses
- (f) Applications for maintenance licenses and/or ratings issue, addition or renewal, and examinations' rules.
- (g) Air traffic controllers
- (h) Aircraft dispatchers

65.3 Certification of foreign airmen other than flight crewmembers

A person who is not an Egyptian citizen is issued a license under subpart E of this Part only when the ECAA finds that the license is needed for the operation or continued airworthiness of an Egyptian registered civil aircraft.

65.4 Rendering a license valid pursuant to a formal agreement between A.R.E and any other state.

- (A) The licenses of other contracting state may be automatically rendered valid if A.R.E and such state have:
 1. Adopted common licenses regulations which are compliant with annex 1.
 2. Entered into a formal agreement recognizing the automatic validation process.
 3. Established a surveillance system to ensure the continuing implementation of the common licensing regulations.
 4. Registered the agreement with ICAO pursuant to article 83bis of the convention on international civil aviation.
- (B) The endorsement shall appear on license rendered valid pursuant to item (A) indicating that the license is automatically validated under the agreement described in item (A) and referencing the ICAO registration number of the agreement .the endorsement shall further include a list of all states that are party to the agreement.

65.5 - 65.11 [Reserved]

65.12 Offenses involving alcohol or drugs

- (a) A conviction for the violation of any Egyptian Law, Rule or Regulation relating to the growing, processing, manufacture, sale, disposition, possession, transportation, or importation of narcotic drugs, marihuana, or depressant or stimulant drugs or substances is grounds for:
 - (1) Denial of an application for any certificate or rating issued under this Part for a period of up to 1 year after the date of final conviction; or
 - (2) Suspension or revocation of any certificate or rating issued under this Part.
- (b) The commission of an act prohibited by Part 91.19(a) is grounds for:
 - (1) Denial of an application for a certificate or rating issued under this Part for a period of up to 1 year after the date of that act; or
 - (2) Suspension or revocation of any certificate or rating issued under this Part.

65.13 Temporary certificate

A certificate and ratings effective for a period not more than 6 Months may be issued to a qualified applicant authorized and having recent maintenance experience on similar type rating not less than 3 years, after successfully passing an approved specific training course with an attendance of at least 75% and accepted worksheet on the required type, pending review of his application and supplementary documents and the issue of the certificate and ratings for which he applied. Two aircraft can be considered as similar when they have similar technology, construction and comparable systems.

65.14 Pre- departure maintenance Check certificate

A Pre- departure Check certificate limited to out of main base only may be issued to the cockpit crew of aircrafts which having a maximum approved passenger seating configuration, excluding any required crewmember seat, of 10 seats or less after successfully passing an approved specific training course on the required type with an attendance of at least 75% in addition to practicing the required tasks for 5 times as on job training and successfully pass the oral and practical tests.

65.15 Duration of licenses and certificates

- (a) A license or rating issued under this Part is effective for one year unless it is sooner surrendered, suspended, or revoked.
- (b) The holder of a certificate issued under this Part that is suspended, revoked, or no longer effective shall return it to the ECAA.

65.17 - 65.19 [Reserved]**65.21 Falsification, reproduction, or alteration of applications, certificates, logbooks, reports, and/or records**

- (a) No person may make or cause to be made:
 - (1) Any fraudulent or intentionally false statement on any application for a certificate or rating under this Part;
 - (2) Any fraudulent or intentionally false entry in any logbook, record, or report that is required to be kept, made, or used, to show compliance with any requirement for any certificate or rating under this Part;
 - (3) Any reproduction, for fraudulent purpose, of any certificate or rating under this Part; or
 - (4) Any alteration of any certificate or rating under this Part.
- (b) The commission by any person of an act prohibited under paragraph (a) of this section is a basis for suspending or revoking any airman or ground instructor certificate or rating held by that person.

65.23 Change of address

Within 30 days after any change in his permanent mailing address, the holder of a certificate issued under this Part shall notify the ECAA of his new address.

65.25 Refusal to submit to a drug or alcohol test / or drug or alcohol positive test result

- (a) General. This section applies to an employee who performs maintenance, dispatch function for a Part 121 certificate holder, a Part 145 certificate holder, Part 137 certificate holder, or an air traffic control facility not operated by the Egyptian military.
- (b) Refusal by the holder of a certificate issued under this Part to take a drug test or an alcohol test or Psychoactive Substances test / or positive drug or alcohol test result is grounds for:
 - (1) Denial of an application for any license or rating under this part or suspension of any certificate or rating issued under this Part for a period of 6 months after the date of that act if the commission of an act was for the first time; or
 - (1) Denial of an application for any license or rating under this part or suspension of any certificate or rating issued under this Part for a period of 1 year after the date of that act if the commission of an act was for the second time; or

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- (3) Revocation of any certificate or rating issued under this Part after the date of that act if the commission of an act was for the third time.

65.26 Record keeping

ECAA shall keep individual records for each applicant approved according that part.

SUBPART B
Rules for issue and renewal of aircraft maintenance
License without type rating

65.31 General

This license does not in itself confer responsibilities or privileges, it is however a prerequisite for the grant of the relevant type ratings by approved maintenance organizations which confer the privileges of certification appropriate to that type rating.

65.33 Age and knowledge requirements

To be eligible for the grant of the license without type rating (LWTR) the applicant shall:

- (a) Be not less than 20 years of age;
- (b) Be a holder of:
 - (1) A certificate of general secondary education or equivalent and be a holder of certificates of completion of aircraft maintenance course (airframe, engine or avionics) from a training institute approved by the ECAA; or
 - (2) A B.Sc. degree from an Egyptian university or equivalent in any of the following fields:
 - (i) Aeronautical, Mech. or Elec. engineering;
 - (ii) Chemical or metallurgical engineering; or
 - (iii) Science Major (chemistry or metallurgy); and
 - (iv) Have completed the appropriate approved training basic courses for the specialty. Standards of training for each LWTR specialty are specified in the Egyptian Civil Aviation Training Standards Handbook (ECATSH).
 - (3) Have completed an appropriate approved training in human performance limitations

65.35 Categories of LWTR

CATEGORY	DESCRIPTION
A and C	For unpressurized airplanes less than 5700 Kg with piston engines.
A	For pressurized airplanes exceeding 5700 Kg.
C	For turbine engines.
A and C	For helicopters.
Multi X	For airplanes less than 5700 Kg or helicopters.
X- Electric	For airplanes exceeding 5700 Kg.
X- Avionics	For airplanes exceeding 5700 Kg.
E	For engine shop maintenance.
G	For aircraft electrical components shop maintenance.
M	For metallurgical and chemical shop maintenance.
N	For non destructive inspections.
S	For structure repairs.
U	For aircraft mechanical units shop maintenance.
V	For aircraft avionics components shop maintenance.

65.37 Experience requirements

- (a) To issue a LWTR for airplanes less than 5700 kg and helicopters the applicant shall have at least 6 months recent experience in the appropriate field of maintenance of small airplanes after the required basic courses related to the category applied for.
- (b) The practical experience required to issue a LWTR for aircraft exceeding 5700 kg must be at least 18 months recent experience in aircraft maintenance including the required basic courses related to the category applied for.
- (c) The practical experience sheets shall cover a cross section of tasks acceptable to ECAA. The tasks to be completed shall be representative of the aircraft and systems both in complexity and in the technical input required to complete that task. While relatively simple tasks may be included, other more complex maintenance tasks shall also be incorporated and undertaken as appropriate to the license category, each task shall be signed off by the applicant and countersigned by a designated supervisor. The tasks listed shall refer to an

- actual job card/work sheet or a training task in real maintenance environment, Practical experience sheets from foreign Maintenance Training Organizations or aircraft maintenance organizations may be accepted.
- (d) The practical experience required to issue LWTR categories “E,G,M,N,S,U,V” must be at least 18 months recent experience at the required category including the required basic courses related to the category applied for.
- (e) To be considered as recent experience, at least 6 months of the required practical experience should be gained within the 12 month period prior to the date of application for LWTR. The remainder of the recent experience should have been gained within the 5 years prior to application.
- (f) License Examinations and assessments shall have been started and completed within one year after the final ECAA acceptance of presented documents.

65.39 Privileges of LWTR

- (a) This license does not grant his/her holder any aircraft maintenance certifying privileges, however it allows the approved maintenance organizations to provide this license holders the appropriate theoretical and practical training required for the corresponding type rating approvals. The LWTR holder may also be allowed to perform the appropriate tasks of a technician at an approved maintenance organization under the supervision of appropriately type rated personnel.
- (b) Only the A,C and X LWTR holders are allowed, after being appropriately trained and approved on the type in their category by approved maintenance organizations, to:
- (1) Certify the aircraft or parts of the aircraft, as airworthy after line or base maintenance limited to their specialty; or
 - (2) Issue aircraft maintenance release for the aircraft in its entirety following inspection, maintenance operations and/or routine servicing if adequately trained and authorized by their approved maintenance organizations.
- (c) All other LWTR holders are allowed, after being appropriately trained and approved on the type and/or method and/or technology by approved maintenance organizations to certify as airworthy the maintenance work performed on the particular aircraft unit, component and/or system corresponding to their specialty.
- (d) An approved maintenance organization can not issue or renew a personal maintenance authorization unless the applicant is fully comply to the requirements of type ratings issuance and renewal described in this part.

SUBPART C
Rules for Adding Type or Revalidate type on W.T.R License

65.41 [Reserved]**65.42 Privileges of the different rating of aircraft maintenance licenses**

- (a) General: The holders of Egyptian aircraft maintenance licenses ratings' privileges:
- (1) Are limited to line maintenance work (but excluding major repairs and major alterations works) that could be conducted on any operated aircraft (but excluding large Aircraft / commercial operation Aircraft) ; and
 - (2) Could be achieved without any workshops facilities, provided they possess the proper tools, equipment, spare parts and materials necessary to perform the work according to the aircraft approved maintenance standards.
- (b) A rating in category "A" entitles the holder to certify aircraft (excluding engines) of the types included in the Rating, in respect of:
- (1) Performing approved line maintenance inspections, for quickly accessible aircraft parts and servicing;
 - (2) Trouble shooting; and
 - (3) Replacement of approved component and parts.
- (c) A rating in category "C" entitles the holder to certify engines of the types included in the rating in respect of:
- (1) Performing approved line maintenance inspections, for quickly accessible engine parts and servicing;
 - (2) Trouble shooting; and
 - (3) Replacement of approved engine component and parts, where the work has not involved dismantling as: to gain access to pistons, cylinders and valve operating gears.
- (d) A rating in category "X" entitles the holder to certify instruments, avionics, radio and electric accessories of the types included in the rating, in respect of:
- (1) Performing approved line maintenance inspections, for quickly accessible electric or avionics parts and servicing;
 - (2) Replacements to, and installation of:
 - (i) Aircraft instruments and engine instruments;
 - (ii) Electrical equipment; and
 - (iii) Avionics and radio components.
 - (3) Trouble shooting.

65.45 General requirements

The applicant must be a holder of the appropriate category of LWTR.

65.47 Knowledge requirements

- (a) The applicant shall submit a certificate issued from an approved training center attesting that he successfully passed an approved specific training course on the required type with an attendance of at least 75%.
- (b) If the period following the accomplishment of the specific training required by paragraph (a) exceeds three years for maintenance courses and four years for overhaul courses, the applicant has to pass an approved refreshing course within the next 6 months to revalidate that specific training for similar period for one time only, the required refreshing training course shall cover all theoretical training subjects with minimum training hours 25% of the initial specific course training hours.
- (c) All standards related to the training required for each category of license are given in the Egyptian Civil Aviation Training Standards Handbook [ECATSH].
- (d) For personnel who successfully passed a specific type training course and continuously attended an approved recurrent/refreshing training course every two years, the specific type training is valid up to two years after the last recurrent training and not valid after the 1st of February 2021.

65.49 Skill Requirements

- (a) The applicant shall succeed in the examinations prepared by the ECAA in accordance with the rules given in subpart F of this Part.
- (b) All standards related to the examinations required for each category of license are given in the Egyptian Civil Aviation Examinations Standards Handbook [ECAESH].

65.51 Revalidation of type

- (a) A type rating which has lapsed for less than or equal 2 years could be considered for revalidation only after fulfilling all requirements for renewal of licenses in 65.93
- (b) A type rating which has lapsed for more than 2 years and less than or equal 5 years could be considered for revalidation only after :
 - i. The applicant shall pass an approved refreshing course covering all theoretical subjects with minimum training hours 25% of the initial specific course training hours for the required type and;
 - ii. Specific recent practical experience for at least 6 months on the required type and;
 - iii. Oral and Practical examination of the holder for the required type. The extent of the examination will generally be dependent on the extent of the holder's employment since the license was last renewed, and on the degree to which such employment can be considered by the ECAA as comparable to those privileges for which the license was valid.
- (c) A type rating which has lapsed for more than 5 years will not be revalidated.
- (d) The type cannot be backdated and in the case of a lapsed type, the re-issue will only be granted after all requirements have been met.
- (e) Any lack of continuity in the validity of the type will be recorded on the license.

65.53 License experience requirements

- (a) Airplane maintenance licenses for airplanes with maximum certificated takeoff weight less than or equal to 5700 Kg:
 - (1) Are issued for either: airframe and engine or combined instruments; and
 - (2) Require recent specific practical experience on the type required for issue or addition for a period not less than 6 month.
- (b) Helicopter maintenance licenses:
 - (1) Are issued for either: airframe and engine or combined instruments; and
 - (2) Require recent specific practical experience on the type required for issue or addition for a period not less than 6 month.
- (c) Airplane maintenance licenses for airplanes with maximum certificated takeoff weight more than 5700 Kg:
 - (1) Are issued for either category: "A" for airframes, "C" for engines, "X" electric or "X" avionics; and
 - (2) Require recent practical experience on the same category, counted from the date of successfully accomplishment of the specific training, of not less than:
 - (i) 9 months for the issue of a rating; and
 - (ii) 6 months for adding a rating.
- (d) Competency-based approved training for aircraft maintenance personnel can only be conducted in an ECAA Part 147 organization.

65.55 Added privileges

- (a) The following privileges may be added to the license:
 - (1) Issue fitness for flight to allow the issue of a certificate of airworthiness;
 - (2) Issue of maintenance release;
 - (3) Installation and compensation of compasses; and
 - (4) Replacements to, and installation of automatic pilots.
- (b) The privileges mentioned in (a) above can only be added after:
 - (1) Satisfactorily receiving an appropriately approved specialized training for releasing the aircraft as a whole from line maintenance (that provides the necessary knowledge and skills of the other respective license categories);
 - (2) Achieving an additional practical experience of 9 months on releasing the aircraft type; and

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- (3) Demonstrating the candidates' skills by approved examinations.
- (c) Privileges for maintenance of simple components such as (Life Vests, Batteries, and Cargo containers) may be added to the appropriate aircraft maintenance license or AMO Approval categories (A,C,X-A,X-E) according to component maintenance manual after attending acceptable theoretical and practical training and passing required examinations.

SUBPART D
Welders Certification

65.61 Purpose

This Part establishes the procedure for qualification of welders and welding operators engaged in the welding of civil: aircraft, missiles other aerospace equipment, and their parts and accessories, by fusion welding processes. This Part is applicable to civil: aircraft, missiles, and aerospace ground support equipment or other welding, when included in the contracting documents or when invoked in the absence of a specified welder qualification Standard.

65.63 Welder and welding operator privileges

- (a) Welder: Welders may weld all joints by manual and semi-automatic welding for which they are qualified by producing acceptable test welds, as defined in Egyptian Civil Aviation Examination Standards Handbook [ECAESH], as amended. In addition, welders may weld all joints by machine and automatic welding within the same limitations as for the acquired welder qualification.
- (b) Welding operator: Welding operators may weld all joints by machine and automatic welding for which they are qualified by producing acceptable test welds, as defined in ECAESH, as amended.

65.65 [Reserved]

65.67 Referenced standards: ECAESH, as amended.

65.69 General requirements

- (a) Qualification requirements:
 - (1) Minimum age of 21 years;
 - (2) Welders should be graduates from any technical school majoring in welding techniques; and
 - (3) To achieve qualified status welders and welding operators shall demonstrate their skill by producing acceptable test welds in accordance with ECAESH, as amended.
 - (i) Welders: The correlation between test welds and production welds shall be based on the following factors:
 - (A) Welding process;
 - (B) Base metal composition;
 - (C) Base metal thickness;
 - (D) Welding position;
 - (E) Base metal form, sheet or tube;
 - (F) Type of weld, groove or fillet; and
 - (G) Other welding conditions.
 - (ii) Welding operators. The correlation between test welds and production welds shall be based on only the first three factors given in ECAESH, as amended.
- (b) Minimum requirements: The requirements of this subpart are minimums. Other requirements may be added by the welding operators but may not be substituted for the requirements of this Part.
- (c) Physical requirements: The welding operators shall establish reasonable and appropriate physical requirements for welders and welding operators. It will be accepted that those whose corrected vision in each eye for long distance is better than 20/30 and for 16 inches distance permits reading of Joeger No. 2 type will ordinarily satisfy vision needs for welding.
- (d) Identification: The welding operator shall assign a unique number or other identification to each welder or welding operator upon qualification.
- (e) Test records: The welding operator shall complete a test record containing the essential information required as evidence of the welders' qualifications. These records shall be retained for the period of two years.
- (f) Renewal of qualification certificate:

Welding qualification certificates are renewed annually by:

 - (1) Presenting samples; or
 - (2) The recommendation of the constructor or repair station, after presenting his qualifying record; showing that for a given welding process no more than three consecutive months have been lapsed without successfully exercising such welding.

SUBPART E

Evaluation of Maintenance Licenses

65.71 Evaluating aircraft maintenance type rated license

Holders of either a valid or invalid type rated aircraft maintenance license may obtain an aircraft maintenance license without type rating according to the following:

- (a) Those holding an aircraft maintenance license with type rating "A" and "C" airframe and engine for unpressurized airplanes less than 5700 Kg with piston engine may obtain an aircraft maintenance license without type rating category "A" and "C" for that category;
- (b) Those holding an aircraft maintenance license type rating "X" combined instruments for airplanes less than 5700 Kg or helicopters may obtain an aircraft maintenance license without type rating category "X" combined for the corresponding categories;
- (c) Those holding an aircraft maintenance license type rating "A" airframe for pressurized cabin types of aircraft exceeding 5700 kg may obtain an aircraft maintenance license without type rating category "A" for pressurized cabin aircraft exceeding 5700 kg;
- (d) Those holding an aircraft maintenance license type rating "C" for any turbine engine installed on any type of aircraft may obtain an aircraft maintenance license without type rating category "C" engine for turbine engines;
- (e) Those holding an aircraft maintenance license type rating "X" electric for any type of aircraft exceeding 5700 kg may obtain an aircraft maintenance license without type rating category "X" electric for aircraft exceeding 5700 kg;
- (f) Those holding an aircraft maintenance license type rating "X" instruments or autopilot or navigation or radio and for any type of aircraft exceeding 5700 kg may obtain an aircraft maintenance license without type rating category "X" avionics for aircraft exceeding 5700 kg;
- (g) Those holding an aircraft maintenance license type rate "A" and "C" for any type of helicopter may obtain an aircraft maintenance license without type rating category "A" and "C" helicopter;
- (h) Those holding an aircraft maintenance license type rated "X" combined instrument for any type of helicopter may obtain an aircraft maintenance license without type rating category "X" combined instruments for helicopter;
- (i) Those holding an aircraft maintenance license type rated "C" heavy maintenance or "D" engine overhaul of any group for any type of engines may obtain an aircraft maintenance license without type rating category "E";
- (j) Those holding an aircraft maintenance license type rated "A" structure repair for any type of aircraft may obtain an aircraft maintenance license without type rating category "S";
- (k) Those holding an aircraft maintenance license type rated "B" component overhaul for units overhaul of any group for any type of aircraft may obtain an aircraft maintenance license without type rating category "U";
- (l) Those holding an aircraft maintenance license type rated "X" electric or avionics component overhaul of any group for any type of aircraft may obtain an aircraft maintenance license without type rating category "G";
- (m) Those holding an aircraft maintenance license type rated "D" units overhaul of any group for chemical and metallurgical treatment any type of aircraft may obtain an aircraft maintenance license without type rating category "M"; and
- (n) Those holding an aircraft maintenance license with "NDT" privileges of any level may obtain an aircraft maintenance license without type rating category "N".

All approved maintenance organization must ensure, before issuing any approvals within their examination authority, that the nominated personnel fulfilled all requirements to obtain the intended approval after receiving all the appropriate: specific, practical training and experience necessary to issue the approvals.

65.73 Validity of maintenance type rated license

Holders of type rated maintenance licenses, not employed by any approved maintenance organization may renew their license and ratings as long as they fulfill the regency of

experience requirements of subpart F of this Part. However the privileges will be limited to the corresponding recent experience achieved.

65.75 Validation of foreign maintenance license

- (a) General: It is not an obligation to ECAA to validate foreign licenses, it is rather a privilege extended by ECAA.
- (1) Licenses of foreign personnel can be validated when maintaining newly purchased or leased types of Egyptian registered aircraft by an approved maintenance organization.
 - (2) Validations are of short duration not exceeding 6 months, and not extended beyond the period of currency of either the original license or, in the case of a “non-expiring” license, the competency checks required. After six months, the ECAA will consider either issuing an equivalent Egyptian license based on the foreign license or renew the validation certificate for a further period of six months after ensuring the maintenance of continuing competency. Each time, the continued currency of the foreign license will be checked with regard to recent experience requirements of the foreign issuing authority.
 - (3) Validated license privileges and limitations will not exceed beyond the original license privileges.
 - (4) The ECAA will exercise the same level of control over the foreign license holders as it does with its own nationals, and will ensure that safe levels of competency are being maintained.
 - (5) Validations are in the form of a certificate to be carried with the original license.
- (b) Issue validation certificate for holders of foreign maintenance license:
To be eligible for the issuance, or renewal, of a validation certificate, an applicant must satisfactorily pass an examination on Egyptian Civil Aviation Law and appropriate regulations and any tests required by ECAA as necessary. In addition he must present the following to the ECAA:
- (1) A current foreign maintenance license issued by the licensing authority of a foreign contracting state issued in conformance with ICAO Annex 1 minimum requirements. The certificate or license must authorize the applicant to perform the duties authorized by a certificate issued under this section on the aircraft type as the leased aircraft;
 - (2) An Egyptian work permit and security permit;
 - (3) A current certification by the AMO and/or lessee of the aircraft:
 - (i) Stating that the operator and/or lessee is employing the applicant; and
 - (ii) Specifying the aircraft type on which the applicant will perform his duties.
 - (4) Official documentation demonstrating that the applicant complies with all training and regency of experience requirements; and
 - (5) The applicant aviation background check, (containing information such as violations, incidents/accidents and enforcement actions in which he has been involved).
- (c) Privileges: The holder of validated license may exercise the same privileges as those shown on the license specified in this section, subject to the limitations specified in this section.
- (d) Each certificate issued under this section is valid only:
- (1) While the corresponding foreign license required by this section is in the certificate holder's personal possession and is current;
 - (2) While the permits required by this section are valid; and while the certificate holder is employed by the AMO to whom the aircraft described in the certification required by this section is owned, operated and/or leased; and
 - (3) While the certificate holder is performing his duties on the registered civil aircraft described in the certification.
- (e) Each validation certificate issued under this section contains at least the following:
- (1) The name of the person to whom the registered civil aircraft are owned, operated and/or leased;
 - (2) The type of aircraft; and
 - (3) Any additional limitations placed on the certificate that the ECAA considers necessary.
- (f) Termination: Each validation certificate issued under this section terminates:

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- (1) When the type of aircraft endorsed on this validation certificate is removed from the AMO's operation specification;
 - (2) When the aircraft is removed from the Egyptian registry;
 - (3) When the permits required by paragraph (b)(2) of this section expire;
 - (4) When the foreign license or authorization documentation required is suspended, revoked, or no longer valid; or
 - (5) After 6 months from the date the certificate was issued.
- (g) Renewal: The certificate holder may have the certificate renewed by complying with the requirements of this section at the time of application for renewal.

65.77 Issue of a maintenance license based on foreign license and acceptance of military maintenance qualifications

Foreign licenses and military maintenance qualifications may be accepted if comparable to the ECAA training and examination standards for any license category and or rating as long as the regency of experience requirements is fulfilled. However, the candidate must satisfactorily pass an examination on Egyptian Civil Aviation law and appropriate regulations and any tests required by ECAA as necessary.

SUBPART F
Applications for Licenses and/or Ratings Issue, Addition or Renewal,
And Examinations' Rules

65.81 Application and issue

- (a) Application for a license/certificate and appropriate rating, or for an additional rating, under this Part must be made on a form and in a manner prescribed by the ECAA.
- (b) An applicant who meets the requirements of this Part is entitled to an appropriate license/certificate and rating.
- (c) Unless authorized by the ECAA, a person whose air traffic control tower operator, mechanic, or parachute rigger certificate is suspended may not apply for any rating to be added to that license/certificate during the period of suspension.
- (d) Unless the order of revocation provides otherwise, a person whose license/certificate issued under this Part is revoked may not apply for the same kind of license/certificate for 1 year after the date of revocation.
- (e) The ECAA will refuse to grant a license or certificate in the following cases:
 - (1) If the applicant has failed to satisfy a requirement prescribed by, or specified under this Part, in relation to the granting of the license or certificate;
 - (2) That the applicant has made in, or in connection with, the application a statement that was false or misleading in a material particular; or
 - (3) In relation to the initial issue of a license or certificate:
 - (i) That the applicant was the holder of a license or certificate that was previously cancelled; or
 - (ii) That the applicant is not a fit and proper person to have the responsibilities and to exercise and to perform the functions and duties of a holder of the license or certificate for which the application was made.
- (f) Written Examination Prerequisites:
 - (1) For admission to a written examination required for the issue of a permit, license or rating, an applicant shall have met the medical standards for the issue of the permit, license or rating and shall produce proof of medical fitness in the form and manner acceptable to the ECAA;
 - (2) For admission to a written examination, proof of identification will be required in the form of a permit, license or other official document bearing the signature or photograph of the candidate;
 - (3) To be eligible to write the examination required for the issue of a permit, license and/or rating, the candidate shall provide a letter of recommendation from the approved training school, stating that the applicant has satisfactorily completed the ground school instruction, and has reached a sufficient level of knowledge to write the examination;
 - (4) In the case of an applicant holding a license issued by a contracting state, the recommendation may not be required provided the applicant is applying for the State's equivalent license; and
 - (5) To be eligible to write the examination required for the issue of a permit, license or rating, the candidate shall provide proof that the experience required for the particular examination as specified in the Egyptian Civil Aviation Examination Standard Handbook [ECAESH].

65.83 Change of name: Replacement of lost or destroyed license/certificate

- (a) An application for a change of name on a license/certificate issued under this Part must be accompanied by the applicant's current license/certificate and the marriage license, court order, or other document verifying the change. The documents are returned to the applicant after inspection.
- (b) An application for a replacement of a lost or destroyed license is made by letter submitted to the ECAA. The letter must:
 - (1) Contain the name in which the license/certificate was issued, the permanent mailing address, identification number (if any), and date and place of birth of the license/certificate holder, and any available information regarding the grade, number, and date of issue of the license/certificate, and the ratings on it; and
 - (2) Be accompanied by a check or money order for the fees, payable to the ECAA.

- (c) An application for a replacement of a lost or destroyed medical certificate is made by letter to the ECAA.
- (d) A person whose license/certificate issued under this Part or medical certificate, or both, has been lost may obtain a telegram from the ECAA confirming that it was issued. The telegram may be carried as a certificate for a period not to exceed 60 days pending his receiving a duplicate license/certificate under paragraph (b) or (c) of this section, unless he has been notified that the license/certificate has been suspended or revoked. The request for such a telegram may be made by prepaid telegram, stating the date upon which a duplicate license/certificate was requested, or including the request for a duplicate and a money order for the necessary amount. The request for a telegraphic license/certificate should be sent to the office prescribed in paragraph (b) or (c) of this section, as appropriate. However, a request for both at the same time should be sent to the office prescribed in paragraph (b) of this section.

65.85 Tests: General rules

- (a) Tests prescribed by or under this Part are given at times and places, and by persons, designated by the ECAA.
- (b) The minimum-passing grade for each test is 70 percent.
- (c) All written exams are in English.
- (d) In case of open book exams; the applicant should provide all necessary references materials for the examination.
- (e) If the applicant fails 3 times in a written exam he cannot apply for a fourth chance before successfully passing an approved training course.
- (f) In case of three failures in oral and/or practical exams in the same subject he can be allowed to go through an oral and practical exam again only after submitting a reference of new experience for a period assigned by the examination committee and in case of failure again for the fourth time he must go through written and oral exams in the subjects deemed necessary by the committee.
- (g) Those who have failed written examinations and obtained less than 40% cannot repeat the same examinations; they can attend later after recently receiving an approved course on the type requested.
- (h) The results of any written examination become invalid two years after completion if the other requirements are not completed in this period.
- (i) The applicant has the right to delay any issue or additional examination, if an excuse was previously submitted and accepted, provided the periods of validity of his training courses are not exceeded.

65.87 Written tests: Cheating or other unauthorized conduct

- (a) Except as authorized by the ECAA, no person may:
 - (1) Copy, or intentionally remove, a written test under this Part;
 - (2) Give to another, or receive from another, any part or copy of that test;
 - (3) Give help on that test to, or receive help on that test from, any person during the period that test is being given;
 - (4) Take any part of that test in behalf of another person;
 - (5) Use any material or aid during the period that test is being given; or
 - (6) Intentionally cause, assist, or participate in any act prohibited by this paragraph.
- (b) No person who commits an act prohibited by paragraph (a) of this section is eligible for any airman or ground instructor certificate or rating under this Part for a period of 1 year after the date of that act. In addition, the commission of that act is a basis for suspending or revoking any airman or ground instructor certificate or rating held by that person.

65.89 Re-testing after failure

An applicant for a written, oral, or practical test for a license/certificate and rating, or for an additional rating under this Part, may apply for re-testing:

- (a) After 30 days after the date the applicant failed the test; or
- (b) Before the 30 days have expired if the applicant presents a signed statement from an airman holding the license/certificate and rating sought by the applicant, certifying that the airman has given the applicant additional instruction in each of the subjects failed and that the airman considers the applicant ready for re-testing.

65.91 Maintenance regency requirements

No person shall exercise the privileges of an AME license unless, within the preceding 24 months they have successfully complied with the requirements for license issue, or have, for at least six months:

- (a) Performed aircraft maintenance;
- (b) Supervised the performance of maintenance, either directly or in an executive capacity; or
- (c) Provided aviation maintenance instruction within an approved training organization [ATO], or an approved training program in an approved maintenance organization [AMO] or directly supervised the delivery of such instructions.

65.93 Requirements for renewal of licenses

- (a) Aircraft maintenance licenses must be renewed yearly.
- (b) For each type endorsed in the license, the following shall be applied:
 - i. The applicant must have exercised the duties and responsibilities of each type held in the license for a period not less than 6 month during the last two years or practical training for the same period.
 - ii. Continuation training should be attended once every two years, Continuation training should cover changes in relevant regulations such as Part-145, changes in organization procedures as applicable and the modification standard of the products being maintained in addition to human factor issues identified from any internal or external analysis of incidents. It should also address instances where staff failed to follow procedures and the reasons why particular procedures are not always followed.
- (c) However if the license was endorsed with aircraft type ratings and the expiration date of the license is more than 2 years and less than 5 years, refer to ECAR 65.51 "Revalidation of type".

65.95 Lapsed license and/or rating

A license which has lapsed for more than 5 years, is not subjected for renewal.

SUBPART G
Air Traffic Controllers

65.100 Effectively

- (a) This subpart becomes effective within one month from the date of issue for applicants to issue an air traffic controller license and/ or rating.
- (b) This subpart becomes effective within one year from the date of issue for renewal of an air traffic controller license and/ or rating.

65.101 General rules concerning air traffic controller licenses

- (a) An applicant for an air traffic controller license or rating shall meet such requirements in respect of age, knowledge, experience and where appropriate, medical fitness and skill, as are specified for that license or rating.
- (b) An applicant for an air traffic controller license or rating shall demonstrate, in a manner determined by the ECAA, such requirements in respect of knowledge and skill as are specified for that license or rating.
- (c) General rules concerning air traffic controller licenses
 - (1) Air traffic controllers who are required to use the radio telephone aboard an aircraft shall demonstrate the ability to speak and understand the language normally used by the station on the ground or English
 - (2) From 5 March 2008, Air traffic controllers, shall demonstrate the ability to speak and understand the language used for radiotelephony communications to the level specified in the language proficiency requirements in (EAC00_21). The language proficiency required must be at least Operational Level (level 4) of the ICAO Language Proficiency Rating (EAC00_21)
 - (3) From 5 March 2008, the language proficiency of Air traffic controllers who demonstrate proficiency below the Expert Level (Level 6) as specified in the language proficiency requirements in (EAC00_21) shall be formally evaluated by the ECAA or an organization approved by the ECAA at intervals in accordance with an individual's demonstrated proficiency level as follows:
 - (i) Those demonstrating language proficiency at the Operational Level (Level 4) should be evaluated at least once every three years; and
 - (ii) Those demonstrating language proficiency at the Extended Level (Level 5) should be evaluated at least once every six years.
 - (4) From 5 March 2008, existing licenses shall have a Language Proficiency endorsement.

65.103 Requirements for the issue of the License

Before issuing an air traffic controller license, the applicant shall meet at least the requirements of one of the ratings set out in 65.105 in addition to the following eligibility requirements.

- (a) Age: The applicant shall be not less than 21 years of age.
- (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:
 - (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) General knowledge: Principles of flight; principles of operation and functioning of aircraft, power plants and systems; aircraft performance relevant to air traffic control operations;
 - (4) Human performance and limitations: Human performance and limitations relevant to air traffic control;
 - (5) Language: The Arabic and English languages are designated for use in air traffic control and ability to speak such languages without accent or impediment which would adversely affect radio communication;
 - (6) Meteorology: Aeronautical meteorology; use and appreciation of meteorological documentation and information; origin and characteristics of weather phenomena affecting flight operations and safety; altimetry;
 - (7) Navigation: Principles of air navigation; principle, limitation and accuracy of navigation systems and visual aids; and

- (8) 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.
- (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 65.105 may be credited as part of the experience specified in this paragraph.
- (d) Medical fitness: The applicant shall hold a current Class III Medical Assessment.

65.105 Categories of Air Traffic Controller Ratings

Air traffic controller ratings shall comprise the following categories (Either in full or limited, as described in the Egyptian Civil Aviation Training Standard Handbook [ECATSH] for air traffic controllers):

- (a) Aerodrome control rating;
- (b) Approach control rating;
- (c) Approach radar control rating;
- (d) Approach precision radar control rating;
- (e) Area control rating; and
- (f) Area radar control rating.

65.107 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:
 - (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; and
 - (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; and
 - (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) above 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.
- (b) Experience:
 - (1) The applicant shall have:
 - (i) Satisfactorily completed an approved training course;
 - (ii) Provided, satisfactorily, under the supervision of an appropriately rated air traffic controller:

- (A) 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;
 - (B) 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; and
 - (C) 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 ECAA. 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.
- (iii) 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.
- (2) The experience specified in 65.107 (b) (ii) shall have been completed within the 6-month period immediately preceding application.
 - (3) When the applicant already holds an air traffic controller rating in another category, or the same rating for another unit, the ECAA shall determine whether the experience requirement of 65.107 (b) can be reduced, and if so, to what extent.
- (c) Skill: No person may act as an air traffic controller at any operating position unless he has passed a practical test on:
 - (1) Control position equipment and its use;
 - (2) Weather reporting procedures and use of reports;
 - (3) Notices to Airmen, and use of the Airman's Information Manual, and the Aeronautical Information Publication (AIP);
 - (4) Use of operational forms;
 - (5) Performance of non-control operational duties; and
 - (6) Each of the following procedures that are applicable to that operating position and are required by the person performing the examination:
 - (i) The airport, including rules, equipment, runways, taxiways, and obstructions;
 - (ii) The terrain features, visual checkpoints, and obstructions within the lateral boundaries of the surface areas of class B, class C, class D, or class E airspace designated for the airport;
 - (iii) Traffic patterns and associated procedures for use of preferential runways and noise abatement;
 - (iv) Operational agreements;
 - (v) The center, alternate airports, and those airways, routes, reporting point, and air navigation aids used for terminal air traffic control;
 - (vi) Search and rescue procedures;
 - (vii) Terminal air traffic control procedures and phraseology;
 - (viii) Holding procedures, prescribed instrument approach, and departure procedures;
 - (ix) Radar alignment and technical operation; and
 - (x) The application of the prescribed radar and non-radar separation standard, as appropriate.

65.109 Privileges of the holder of the air traffic controller rating(s) and the conditions to be observed in exercising such privileges

- (a) Subject to compliance with the requirements specified in 65.111 and 65.123 the privileges of the holder of an air traffic controller License endorsed with one or more of the under mentioned ratings shall be:
 - (1) Aerodrome control rating: To provide or to supervise the provision of aerodrome control service for the aerodrome for which the License holder is rated;
 - (2) Approach control rating: To provide or to supervise the provision of approach control service for the aerodrome or aerodromes for which the License holder is

- rated, within the airspace or portion thereof, under the jurisdiction of the unit providing approach control service;
- (3) 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 License 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 65.107(b)(1)(iii), the privileges shall include the provision of surveillance radar approaches;
 - (4) Approach precision radar control rating: To provide and/ or supervise the provision of precision approach radar service at the aerodrome for which the License holder is rated;
 - (5) Area control 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; and
 - (6) 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 License holder is rated.
- (b) Before exercising the privileges indicated in 65.109(a), the License holder shall be familiar with all pertinent and current information.
- (c) The holder of an air traffic controller License shall not be permitted thereof to carry out instruction in an operational environment unless such holder has received proper authorization from the ECAA.

65.111 Requirements For Instructor Authorization

(a) **On-The-Job Training Instructor (OJTI):**

- (1) ECAA shall authorize an ATC- nominated by Air Navigation Service providers (ANSPs)- before he/she can carry out instruction in an operational unit as an OJTI.
- (2) The OJTI is responsible:
 - (i) For the safety of the air traffic control service that the trainee air traffic controllers providing under his supervision;
 - (ii) To ensure that trainee air traffic controllers are competent in the use of new standards, procedures, techniques, facilities and equipment identified as essential to task performance;
 - (iii) To determine and report on The Job Training progress;
 - (iv) To identify any deficiencies in knowledge or skill and recommending remedial training;
 - (v) To recommend trainee air traffic controllers as being at an appropriate level of competence where they should be successful at a rating or validation assessment;
 - (vi) To review, monitor, and propose changes to the training.
- (3) OJTI shall meet the following minimum requirements:
 - (i) Holds a valid ATC license;
 - (ii) Has successfully completed an OJTI training course approved by ECAA;
 - (iii) meets the following experience periods requirements:
 - (iv) i. for non-radar ratings: holds a valid rating for a period of at least one year in the last non-radar rating in the air traffic control unit concerned.
 - (v) ii. for radar ratings: holds a valid rating for a period of at least two years in the last radar rating in the air traffic control unit concerned.
 - (vi) For Cairo area control centre, Cairo tower control unit and Cairo approach control unit a period of not less than 5 years experience in air traffic control units is required in addition to all previous requirements.
- (4) The OJTI course should include the following broad areas:
 - (i) Introduction (regulation, training objectives for ATCOs, unit training plan and structure);
 - (ii) Human factors;
 - (iii) Training techniques;
 - (iv) Assessment methods and report writing.

(b) Classroom And Simulator Instructor Shall Meet The Following Minimum**Requirements:**

- (1) Works or has worked as an air traffic control OJTI;
- (2) Occupied all rating positions;
- (3) Experience not less than 10 years in operation positions;
- (4) Satisfactorily completed an instructional technique course approved by ECAA.
- (5) Instructional techniques course should include at least the following broad areas:
 - (i) Effective communication
 - (ii) The learning process
 - (iii) Training objectives
 - (iv) The lesson plan
 - (v) lesson preparation
 - (vi) training aids
 - (vii) questioning techniques
 - (viii) notes and handouts
 - (ix) classroom management
 - (x) measurement, testing and evaluation
 - (xi) briefing, monitoring and debriefing and practical assessment
 - (xii) training reports – content and writing

65.113 Renewal of an Air Traffic Controller License

- (a) Renewal concerning air traffic controllers in operation positions shall be every two years.
- (b) Each applicant for renewal of an air traffic controller license or rating shall follow the ECAA procedures to renew the license or rating 45 days before the date of expiry, and has to satisfy the following minimum requirements:
 - (1) Recurrent training using the competency check form every two years;
 - (2) The validity requirements of 65.123 shall be fulfilled; and
 - (3) Current medical assessment class III.

Note: The intervals of medical assessment for air traffic controllers are listed in ECAR Part 67 item 67.9 (b) (14).

- (c) If the requirements of items (a) and (b) of this paragraph are not fulfilled during the last four years; specific recent practical experience verification, for at least 6 weeks, on the required rating must be presented in order to revalidate the license after orally and practically reexamining the applicant on the ratings he holds.
- (d) However if the expiration date of the license or rating is more than 4 years; the license will not be revalidated, unless evidence of attending an approved refresher course on the rating to be renewed and verification of specific experiences on the rating are presented and are equivalent to those required for issuance. The applicant must also pass successfully the written, oral and practical tests.

65.115 Revocation of an Air Traffic Controller License or Rating

- (a) It is the authority of the ECAA Chairman – or his designated person – to revoke the air traffic controller license or rating upon the recommendation of a technical investigation board in case of committing a massive violation or deliberate work negligence.
- (b) To revalidate revoked license or rating the air traffic controller shall follow the procedures for issue of a new license or rating not less than one year after revocation.

65.117 Suspension of an Air Traffic Controller License

- (a) The license is suspended if the air traffic controller does not satisfy the renewal requirement in 65.113.
- (b) It is the authority of the ECAA Chairman to suspend the air traffic controller license in case of committing violation affects the safety and regularity of air traffic services.
- (c) To reestablish an air traffic controller license after suspension the terms of the suspension order shall be followed.

65.119 Specifications for Air Traffic Controller License

- (a) Detail: The following details shall appear on the License:
 - (1) Arab Republic of Egypt (in bold type);
 - (2) Title of License (in very bold type);
 - (3) Serial number of the License, in Arabic numerals, given by the ECAA;
 - (4) Name of holder in full;
 - (5) Date of birth;
 - (6) Address of holder;
 - (7) Nationality of holder;
 - (8) Signature of holder;
 - (9) ECAA and, where necessary, conditions under which the License is issued;
 - (10) Certification concerning validity and authorization for holder to exercise privileges appropriate to License;
 - (11) Signature of officer issuing the License and the date of such issue;
 - (12) Seal or stamp of the ECAA;
 - (13) Ratings, e.g., category, class, type of aircraft, airframe, aerodrome control, etc.;
 - (14) Remarks, i.e., special endorsements relating to limitations and endorsements for privileges;
 - (15) Any other details.
- (b) Material: First quality paper or other suitable material shall be used and the items mentioned in 65.119(a) shown clearly thereon.
- (c) Color: Yellow.
- (d) Language: Licenses shall be issued in Arabic with a translation of items I), II), IV), VI), IX), XII), XIII) and XIV) in English.
- (e) Arrangement of items: Item headings on the License shall be uniformly numbered in roman numerals as indicated in 65.119(a).

65.121 Lapsed license and/or rating

- (a) A license which has lapsed for more than 2 years will not be considered for renewal without examination of the holder.
- (b) The amount of recent experience required will depend on the length of time since the license lapsed and the nature of employment.
- (c) The extent of the examination will generally be dependent on the extent of the holder's employment since the license was last renewed, and on the degree to which such employment can be considered by the ECAA as comparable to those privileges for which the license was valid.
- (d) The license can not be backdated and in the case of a lapsed license the re-issue will only be granted after all requirements have been met.
- (e) Any lack of continuity in the validity of the license will be recorded on the re-issued licenses.

65.123 Validity of Ratings

- (a) A rating becomes invalid when an air traffic controller has ceased to exercise the privileges of the rating for a period exceeding six months.
- (b) This rating remains invalid until the controllers ability to exercise the privileges of the rating has been reestablished as described in ECAR Part 172.53

65.125 Issuing rating equivalent to another rating

- (c) The applicant shall have a valid ATC License containing the main rating which the equivalent process will be applied on.
- (d) A certify from the training department that the applicant has passed successfully the training course under it's supervision for each rating required to have an equivalent rating for it

From Cairo airport to any other airport	From any airport to Cairo airport	From any airport to other airport other than Cairo airport
25 hours OJT for each rating	Half period of training mentioned in ECAR 65 for each rating followed by practical, oral and theoretical test for the new rating	40 hours OJT for every rating

65.127 Concurrent issuance of two air traffic controller ratings

The following requirements shall apply when two air traffic controller ratings are sought concurrently:

- (a) The ratings issue and renewal requirements mentioned in Part 65.107, 65.113; and
- (b) Only two ratings can be valid at the same time on a license.

SUBPART H
Aircraft Dispatchers and Instructors

65.131 General

- (a) This subpart prescribes the requirements and qualifications for issuing an aircraft dispatcher license without type rating.
- (b) Whenever the training or checking of a dispatcher occurs during the eligibility period, the due month for training/checking remains the same. A request to change the due month for training/checking must be coordinated with the ECAA and annotated in the individual's training record. This change must occur before the beginning of the eligibility period.
- (c) The issuance and renewal of the dispatcher license without type rating, and the standards for dispatcher training and examinations are in accordance with the policies and procedures of the ECAA.

65.133 License required

- (a) No person may serve as an aircraft dispatcher (exercising responsibility with the pilot in command in the operational control of a flight) in connection with any civil aircraft in air commerce unless he has in his personal possession a current aircraft dispatcher license without type rating issued under this subpart.
- (b) Each person who exercises his license as an aircraft dispatcher must possess an aircraft type approval issued by the AOC holder for the type of aircraft being dispatched.
- (c) Each person who holds an aircraft dispatcher license without type rating shall present it for inspection upon the request of the ECAA.

65.135 Eligibility requirements

To be eligible for an aircraft dispatcher license without a type rating a person must:

- (a) Be at least 21 years of age;
- (b) Be able to read, speak and understand the English language, or have an appropriate limitation placed on his certificate; and
- (c) Comply with this Part.

65.137 Knowledge requirements

- (a) An applicant for an aircraft dispatcher license must pass a written test on the following subjects:
 - (1) Rules and regulations relevant to the holder of an aircraft dispatcher license and appropriate air traffic services practices/procedures;
 - (2) Principles and operation of aircraft power plant, systems and instruments:
 - (i) Aircraft general knowledge;
 - (ii) Operating limitations; and
 - (iii) Minimum equipment list.
 - (3) Flight performance calculation and planning procedures:
 - (i) Effects of loading and mass distribution on aircraft performance and flight characteristics and weight and balance calculations;
 - (ii) Operational flight planning: Fuel consumption and endurance calculations, alternate airport selection procedures, en-route cruise control, and extended range operation;
 - (iii) Preparation and filing of air traffic services flight plans; and
 - (iv) Basic principles of computer-assisted planning systems.
 - (4) Meteorology:
 - (i) Aeronautical meteorology, movement of pressure systems, structure of fronts, and the origin and characteristics of significant weather phenomena which affect take-off, en-route and landing conditions; and
 - (ii) Interpretation and application of aeronautical meteorological reports, charts and forecasts, codes and abbreviations, use of, and procedures for obtaining, meteorological information.
 - (5) Navigation: Principles of air navigation with particular reference to instrument flight;
 - (6) Operational procedures:
 - (i) Use of aeronautical documentation,

- (ii) Operational procedures for the carriage of freight and dangerous goods,
- (iii) Procedures relating to aircraft accidents, incidents, emergency flight procedures, and
- (iv) Procedures relating to unlawful interference and sabotage of aircraft.
- (7) Principles of flight: Principles of flight relating to the appropriate category of aircraft;
- (8) Radio communication: Procedures for communicating with aircraft and relevant ground stations; and,
- (9) The Jespersen airway manual and the Egyptian Aeronautical Information Publication (AIP).
- (b) A certificate of the test must be provided to ECAA. A passing grade is evidence, for a period of 24 months after the date the test is given, that the applicant has complied with this section.

65.139 Experience requirements

An applicant for an aircraft dispatcher license without a type endorsement must present documentary evidence, satisfactory to the ECAA, that he has the experience prescribed in any one of the following paragraphs:

- (a) A total of at least 2 of the 3 years before the date he applies, in scheduled air carrier operations, military air transport aviation operations, or any other aircraft operations that provide equivalent experience:
 - (1) As a pilot crew member in air transportation;
 - (2) As a meteorologist in an organization dispatching aircraft in air transportation; and
 - (3) As an air traffic controller, or technical supervisor of flight operations officers or air transportation operations systems.
 - (4) As an Egyptian military navigator of equivalent experience
- (b) As an assistant for one year in the dispatching of air transport.
- (c) Successful completion of a course of instruction approved by the ECAA as adequate for the training of an aircraft dispatcher.

65.141 Skill requirements

An applicant for an aircraft dispatcher license must pass a practical test with respect to the following paragraphs (explanation of which are set forth in Appendix B of this Part):

- (a) With respect to anyone type of large aircraft used in air carrier operations, on:
 - (1) Weight and balance limitations;
 - (2) Performance operating limitations;
 - (3) Using cruise control charts;
 - (4) Fuel and oil capacities and rates of consumption, and
 - (5) Using the operations manual.
- (b) On the characteristics of air routes and airports with particular reference to:
 - (1) Landing areas;
 - (2) Landing facilities; and
 - (3) Approach and landing facilities and procedures.
- (c) On the use and limitations of sensitive type altimeters;
- (d) On the use of weather information, to be able to perform a complete analysis of weather information in order to determine that a flight can be made safely;
- (e) On using the Jespersen Airways Manual, and Egyptian Aeronautical Information Publication (AIP);
- (f) On dispatching and assisting a flight under unexpected adverse weather conditions; and
- (g) On emergency procedures.

65.143 Issuance of an aircraft dispatcher license without type rating

- (a) An applicant qualified under ECAR 65.129 (a)(1) may be issued an aircraft dispatcher license without a type rating.
- (b) An applicant qualified under ECAR 65.129 (a)(2) may be issued an aircraft dispatcher license without a type endorsement after satisfactory completion of a written examination on the ECAA regulations of this Part applicable to the duties of an aircraft dispatcher.

- (c) After satisfactory completion of the above listed items with Parts 65.127, 65.129(b) and 65.131, the applicant will be issued an aircraft dispatcher license without a type endorsement.

65.145 Privileges of a dispatcher license without type rating

The holder of a dispatchers license without type rating issued under this Part may, under the supervision of an appropriately approved dispatcher on the type, dispatch flights in air transportation until appropriately trained and approved by the AOC holder.

65.147 Validity and renewal requirements

- (a) Aircraft's dispatchers must complete recurrent training within the appropriate eligibility period;
- (b) An aircraft dispatcher license will be issued for a period of 12 months. It shall be renewed for a 12 month period, upon completion of the following requirements:
- (1) The applicant shall within the preceding 12 month serve in one of the following positions:
 - (i) Aircraft dispatcher;
 - (ii) Pilot or simulator instructor in scheduled air carrier operations;
 - (iii) Technical supervision of aircraft dispatchers or air carrier dispatcher, or air carrier dispatching system;
 - (iv) The determination of competency or qualification of aircraft dispatchers; or
 - (v) Served in any combination of the duties described in subparagraphs (i),(ii),(iii) or (iv) of this paragraph.
 - (2) A competence check, in accordance with Part 121.
 - (3) Recurrent ground training every 12 months; and
 - (4) Operating familiarization flights, in accordance with Part 121.

Note: The applicant must participate with a cockpit crew during all the phases of pre-flight preparations, and remain with the cockpit crew until the flight is closed.

65.149 Aircraft dispatcher courses

An applicant requesting approval of an aircraft dispatcher course shall submit a letter to the ECAA, two copies of the course outline, a description of equipment/facilities and a list of the instructors, including their qualifications; requirements for the course and the outline are set forth in the Egyptian Civil Aviation Training Standards Handbook (ECATSH).

65.151 Aircraft dispatcher practical test

Requirements for the practical test are set forth in the Egyptian Civil Aviation Examinations Standards Handbook (ECAESH).

65.153 Aircraft dispatcher training and record forms

- (a) The AOC holder must document all aircraft dispatcher training requirements in a manner and format that is acceptable to the ECAA.
- (b) The AOC holder will be responsible for issuing each dispatcher a letter of completion as evidence that he has completed the appropriate training and examination for the aircraft type he is authorized to dispatch.
- (c) Each dispatcher must attach the letter of completion to his current aircraft dispatcher license and present both the license and letter of completion to the ECAA upon request.
- (d) Any dispatcher that is licensed under this Part may be authorized to dispatch a maximum of five different aircraft types.

65.155 Applicability of dispatcher instructor requirements

The following requirements are established for the issuance of a dispatcher instructor certificate, the conditions under which this certificate is necessary, and the limitations of this certificate.

65.157 Eligibility and experience requirements for dispatcher instructors

- (a) To be eligible for a dispatcher instructor certificate a person must;
- (1) Be at least 26 years of age;
 - (2) Have five years experience as an aircraft dispatcher in air carrier operations;

- (3) Be able to read, write, speak and understand the English language. If the applicant is unable to meet one of these requirements due to medical reasons, then the ECAA may place such operating limitations on the applicant's dispatcher instructor certificate as are necessary; and
- (4) Has satisfactorily received a training course on the fundamentals of instructing to include:
 - (i) The learning process;
 - (ii) Elements of effective teaching;
 - (iii) Student evaluation and testing;
 - (iv) Course development;
 - (v) Lesson planning; and
 - (vi) Classroom training techniques.
- (b) The applicant must conduct an initial dispatcher training program under the supervision of qualified dispatcher instructor.
- (c) The applicant must have at least one year of dispatching experience on the type of aircraft for which the applicant wishes to instruct.
- (d) The applicant must, before instructing a new type of aircraft, conduct a dispatcher transition training program for the aircraft type the applicant requests to instruct.
- (e) For new air carriers who's dispatchers cannot meet the experience requirements of this Part, the dispatcher training must be accomplished under the supervision of the ECAA until an adequate level of experience is achieved.

65.159 Dispatcher instructor privileges

- (a) A person who holds a dispatcher instructor certificate is authorized to provide:
 - (1) Ground training in the aeronautical knowledge areas required for the issuance of a dispatcher license without type rating or instructor certificate issued under this Part.
 - (2) A recommendation for a knowledge test required for the issuance of a dispatcher certificate under this Part.
- (b) A person who holds a dispatcher instructor certificate and appropriate types, within the limitations of the dispatcher approval issued by the AOC holder, may endorse the training record of a person to whom the holder has provided the training or recommendation specified in paragraph (a) of this section. The maximum number of type approvals for any dispatcher instructor is five.

65.161 Recent experience requirements for dispatcher instructors

The holder of a dispatcher instructor certificate may not perform the duties of a dispatcher instructor unless, with the preceding 12 months:

- (a) The person has served for at least 3 months as a dispatcher instructor; or
- (b) The person has received an endorsement from an authorized dispatcher instructor certifying that the person has demonstrated satisfactory proficiency in the subject areas prescribed in this Part, as applicable.

65.163 Requirements for renewal of the dispatcher instructor certificate

The qualified dispatcher instructor must accomplish the following on an annual basis in order to renew their dispatcher instructor license.

- (a) Must successfully complete a dispatcher instructor competency check administered by a qualified dispatcher instructor or an ECAA inspector.
- (b) Must complete at least 5 hours of observation in flight operations on a type aircraft for which the dispatcher instructor is licensed to instruct. This requirement can be reduced by one hour for each additional landing greater than one.

63.165 Dispatcher license issued on the basis of a foreign license

- (a) General, A person who holds a current foreign dispatcher license issued by a contracting State to the Convention on International Civil Aviation may apply for and be issued an A.R.E dispatcher license with the appropriate ratings based on the foreign dispatcher license provided the applicant:
 - (1) Meets the requirements of this section.
 - (2) Holds a valid foreign dispatcher license that:

- (i) Is not under an order of revocation or suspension by the foreign country that issued the foreign license; and
- (ii) Does not contain an endorsement stating that the applicant has not met all of the standards of ICAO for that license;
- (3) Does not currently hold A.R.E. license;
- (5) Is able to read, speak, write, and understand the English Language.
- (6) The applicant shall successfully complete the following

<u>License type</u>	<u>Exams required</u>
Without type	<ul style="list-style-type: none">- Passing Regulations Exam- Passing AIP open book exam- Flight dispatcher oral evaluation in ECAA
With types	<ul style="list-style-type: none">- Passing Regulations Exam- Passing AIP open book exam- Passing Competency Check
ATP (Certificated)	<ul style="list-style-type: none">- Valid (Not more than 24 months from issue date- Pass a practical and oral exam according to Flight dispatcher license issuance

SUBPART I
Aeronautical station operator license

65.171 Applicability

- (a) This license is not intended for personal providing aeronautical flight information service (AFIS).
- (b) This license is intended for personal Aeronautical station operator service.
- (c) No person may operate as an Aeronautical station operator without a license issued under this Part.
- (d) Guidance on the qualification to be met by these personal can be found in ICAO circular 211.

65.173 Requirements for issues of the license

Before issuing an aeronautical station operator license a contracting state shall require the applicant to meet the requirement of 4.6.1. unlicensed individuals may operate as aeronautical station operators on the condition that the state from which they operate ensures that they meet the same requirements.

65.175 Age

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

65.177 knowledge

The applicant shall have demonstrated a level of knowledge appropriate to the holder of an aeronautical station operator, in at least the following subjects:

General knowledge

- (a) Air traffic services provided within the state language
- (b) The language or languages nationally designated for use in air ground communication and ability to speak such language or languages without accent or impediment which would adversely affect radio communication operational procedures.
- (c) Radio telephony procedure, phraseology, telecommunication network rules and regulations.
- (d) Rules and regulations applicable to the aeronautical station operator, and telecommunication equipments.
- (e) Principles, use and limitation of telecommunication in an aeronautical station.

65.179 Experience

The applicant shall have:

- (a) Satisfactorily completed an approved training course within the 12- month period immediately preceding application, and have served satisfactorily under a qualified aeronautical station operator for not less than two months, or
- (b) Satisfactorily served under a qualified aeronautical station operator for not less than six months during the 12 months period immediately preceding application.

65.181 Skill

The applicant shall demonstrate, or have demonstrated competency in:

- (a) Operating the telecommunication equipment in use, and
- (b) Transmitting and receiving radio telephony messages with efficiency and accuracy.
- (c) The ability to speak and understand the language used for radiotelephony communications to the level specified in the language proficiency requirements in the Egyptian Civil Aviation Examination Standards Handbook (ECAESH).

65.183 privileges of aeronautical station operator and the conditions to be observed in exercising such privileges

- (a) Subject to compliance with the requirements specified 1.2.5 the privileges of the holder of an aeronautical station operator licence shall be to act as an operator in an aeronautical station.

- (b) Before exercising the privileges of the licence, the holder shall be familiar with all permitted and current information regarding the types of equipment and operating procedure used at the aeronautical station

65.185 Requirements for Instructor Authorization

The instructor shall have the following:

- (a) Occupied all rating positions;
- (b) Experience not less than 10 years in operation positions;
- (c) Satisfactorily completed an instructional technique course accepted by the ECAA;
and
- (d) On-job training instructors shall hold current license and appropriate rating.

65.187 Renewal of an Aeronautical station operator License

- (a) Renewal concerning aeronautical station operator in operation positions shall be every two years.
- (b) Each applicant for renewal of an aeronautical station operator license or rating shall follow the ECAA procedures to renew the license or rating 45 days before the date of expiry, and has to satisfy the following minimum requirements:
 - (1) Recurrent training using the competency check form every two years; and
 - (2) Current medical assessment class III.

Note: The intervals of medical assessment for aeronautical station operators are listed in ECAR Part 67 item 67.9 (b) (14).

- (c) If the requirements of items (a) and (b) of this paragraph are not fulfilled during the last four years; specific recent practical experience verification, for at least 6 weeks, on the required rating must be presented in order to revalidate the license after orally and practically reexamining the applicant on the ratings he holds.
- (d) However if the expiration date of the license or rating is more than 4 years; the license will not be revalidated, unless evidence of attending an approved refresher course on the rating to be renewed and verification of specific experiences on the rating are presented and are equivalent to those required for issuance. The applicant must also pass successfully the written, oral and practical tests.

65.189 Revocation of an aeronautical station operator license or rating

- (a) It is the authority of the HECAA or his designated person – to revoke the aeronautical station operator license or rating upon the recommendation of a technical investigation board in case of committing a massive violation or deliberate work negligence.
- (b) To revalidate revoked license or rating the aeronautical station operator shall follow the procedures for issue of a new licence or rating not less than one year after revocation.

65.191 Suspension of an aeronautical station operator license

- (a) The license is suspended if the aeronautical station operator does not satisfy the renewal requirement in 65.113.
- (b) It is the authority of the HECAA to suspend the aeronautical station operator license in case of committing violation affects the safety and regularity of air traffic services.
- (c) To reestablish an aeronautical station operator license after suspension the terms of the suspension order shall be followed.

65.193 Specifications for aeronautical station operator license

- (a) Detail: The following details shall appear on the License:
 - (1) Arab Republic of Egypt (in bold type);
 - (2) Title of License (in very bold type);
 - (3) Serial number of the License, in Arabic numerals, given by the ECAA;
 - (4) Name of holder in full;
 - (5) Date of birth;
 - (6) Address of holder;
 - (7) Nationality of holder;
 - (8) Signature of holder;
 - (9) ECAA and, where necessary, conditions under which the License is issued;

- (10) Certification concerning validity and authorization for holder to exercise privileges appropriate to License;
 - (11) Signature of officer issuing the License and the date of such issue;
 - (12) Seal or stamp of the ECAA;
 - (13) Ratings, e.g., category, class, type of aircraft, airframe, aerodrome control, etc.;
 - (14) Remarks, i.e., special endorsements relating to limitations and endorsements for privileges;
 - (15) Any other details.
- (b) Material: First quality paper or other suitable material shall be used and the items mentioned in 65.119(a) shown clearly thereon.
 - (c) Color: Yellow.
 - (d) Language: Licenses shall be issued in Arabic with a translation of items I), II), IV), VI), IX), XII), XIII) and XIV) in English.
 - (e) Arrangement of items: Item headings on the License shall be uniformly numbered in roman numerals as indicated in 65.119(a).

65.195 Lapsed license and/or rating

- (a) A license which has lapsed for more than 2 years will not be considered for renewal without examination of the holder.
- (b) The amount of recent experience required will depend on the length of time since the license lapsed and the nature of employment.
- (c) The extent of the examination will generally be dependent on the extent of the holder's employment since the license was last renewed, and on the degree to which such employment can be considered by the ECAA as comparable to those privileges for which the license was valid.
- (d) The license can not be backdated and in the case of a lapsed license the re-issue will only be granted after all requirements have been met.
- (e) Any lack of continuity in the validity of the license will be recorded on the re-issued licenses.

65.197 Validity of license ratings

- (a) A rating becomes invalid when an aeronautical station operator has ceased to exercise the privileges of the rating for a period exceeding six months.
- (b) This rating remains invalid until the operators ability to exercise the privileges of the rating has been reestablished.

65.199 Issuing rating equivalent to another rating

- (a) The applicant shall have a valid ASO License containing the main rating which the equivalent process will be applied on.
- (b) A certify from the training department that the applicant has passed successfully the training course under it's supervision for each rating required to have an equivalent rating for it.

From Cairo airport to any other airport	From any airport to Cairo airport	From any airport to other airport other than Cairo airport
25 hours OJT for each rating	Half period of training mentioned in ECAR 65 for each rating followed by practical, oral and theoretical test for the new rating	40 hours OJT for every rating

SUBPART J
Rules for Issue and Renewal of Balloon Maintenance License

65.201 Eligibility requirements

To be eligible for the grant of Balloon Maintenance License the applicant must:

- (a) Be at least 20 years of age;
- (b) Be a holder of:
 - (1) A B.Sc. degree from an Egyptian university or equivalent in any of the following fields:
Aeronautical Mech. engineering; Aircraft electrical engineering; Aircraft communications engineering; or
 - (2) A certificate of general secondary education or equivalent and be a holder of certificates of completion of aircraft maintenance course (airframe, engine, electric, avionics) from a training institute approved by the ECAA;
- (c) Pass all the prescribed training and tests within a period of 24 Months and;
- (d) Comply with the sections of this subpart.

65.203 Experience requirements

- (a) Each applicant for Balloon maintenance licenses shall have at least 6 months recent experience in maintenance of Balloon.
- (b) The practical experience sheets shall contain information regarding the nature of experience, the periods during which the experience has been gained and the signatures required in confirmation.

65.205 Knowledge requirements

Each applicant for issuing Balloon maintenance licenses , shall attend initial course at balloon manufacturer or approved training division, and after meeting the applicable experience requirements of 65.203, pass the written test , and the applicable regulation and human factor limitation .

65.207 Skill Requirements

- (a) Each applicant for Balloon maintenance licenses must pass oral and practical tests on tasks mentioned in the Egyptian Civil Aviation Training Standards Handbook [ECATSH].

65.209 Privileges of the Balloon maintenance licenses

Only the Balloon maintenance licenses holders are allowed, after being appropriately trained and approved on the type in their category, to issue maintenance release to service for the Balloon following maintenance.

65.211 Renewal of the Balloon maintenance licenses

Each applicant for renewal Balloon maintenance licenses must comply with Requirements for renewal of licenses (ECAR Part 65.93).

65.213 Adding Balloon Type

An applicant for adding another type of Balloon shall:

- (a) Attend approved training course on the added type and pass the written test,
- (b) Have at least 3 months recent experience in maintenance of Balloon; and
- (c) Pass the oral and practical tests on tasks mentioned in the Egyptian Civil Aviation Training Standards Handbook [ECATSH].

SUBPART K
Rules for issue and renewal of qualified technician license

65.215 General

- (a) This license does not in itself confer responsibility or privileges, it is however a prerequisite for the grant of the relevant type ratings by approved maintenance organizations
- (b) This license does not reveal the holder to issue license without type rating (LWTR) unless he comply with ECAR65

65.217 Requirements for the Issue of the license

To be eligible for the grant of qualified technician license the applicant shall:

- (a) Age, be not less than 18 years.
- (b) Knowledge' and Skills:
 - (1) Be graduated from general or technical secondary school or equivalent.
 - (2) Have passed an English evaluation test, not less than 60% from an English language centre.
 - (3) Have completed and passed the approved basic course for qualified technician held by an approved training organization_Under Part-147 including the rules and regulation relevant to this license.
 - (4) Have completed and passed appropriate approved training in human performance limitations.
- (c) Experience:
 - (1) Have at least 36 months general aviation maintenance experience including basic training and practical experience (at least 12 months of them proven by pre-defined worksheet reflecting task orientation)
 - (2) Have passed the written, oral and practical examination at ECAA in both Basic and regulation related to this license.

65.219 Privileges

- (a) This license does not grant its holder any aircraft maintenance privileges; however it allows the approved maintenance organization to provide this license holder the appropriate theoretical and practical training required for relevant type / task approval.
- (b) Issuance / addition of type rating for qualified technician (QT) license holder upon successfully passing the appropriate theoretical and practical training will be done after successfully passing an oral and practical examination by approved QT authorization board

65.221 Requirements for renewal of license

- (a) Qualified technician license shall be renewed every four years.
- (b) The applicant must have exercised the duties and responsibilities of his license for a period not less than six months during the last two years of its validity
- (c) The license which has lapsed for more than two years will not be considered for renewal without examination of the holder. As follows:
 - (1) If lapsed time exceed one year the applicant must submit three month work sheet and successfully pass an oral & practical examination by ECAA
 - (2) If lapsed time exceed two years the applicant must submit six month work sheet and successfully pass an written & oral and practical examination by ECAA
 - (3) If lapsed time exceed three years the license will be revoked and the applicant must attend a new course for re-issuing a new license
 - (i) The license cannot be backdated and in the case of lapsed license the re-issue will only be granted after all requirements have been met.
 - (ii) Any lack of the continuity in the validity of the license will be recorded on the reissued license