



## **Part 66**

CAA Consolidation

# **Aircraft Maintenance Personnel Licensing**

## **DESCRIPTION**

Part 66 prescribes rules governing-

- the issue of aircraft maintenance personnel licences, certificates, and ratings
- the privileges and limitations of those licences, certificates, and ratings.

**This document is the current consolidated version of Part 66 produced by the Civil Aviation Authority, and serves as a reference only. It is compiled from the official ordinary rules that have been signed into law by the Minister of Road and Transport. Copies of the official rule and amendments as signed by Minister may be obtained from the Civil Aviation Authority or may be downloaded from the official web site at: [www.mcaa.gov.mn](http://www.mcaa.gov.mn)**

**Bulletin**

ICAO 29<sup>th</sup> Assembly Resolution A29-3 of year 1992 urges States to promote global harmonization of national rules.

In order to implement this Resolution, Mongolian Civil Aviation Regulation has been developed based on “Memorandum for Technical Cooperation” between CAA of Mongolia and New Zealand, signed on 6<sup>th</sup> of May, 1999.

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## **Subpart A - General**

### **66.1. Applicability**

This Part prescribes rules governing-

- (1) the issue of aircraft maintenance licences, certificates, and ratings; and
- (2) the privileges and limitations of those licences, certificates, and ratings.

### **66.3. Definitions and abbreviations**

Definitions and abbreviations relating to this Part are contained in CAR interpretation summary.

### **66.5. Licences and certificates**

The following licences, certificates, and ratings are issued under this Part:

- (1) aircraft maintenance engineer licence (AMEL) in 1 or more of the following categories:
  - (i) aeroplane:
  - (ii) rotorcraft:
  - (iii) powerplant:
  - (iv) electrical:
  - (v) instrument:
  - (vi) radio:
  - (vii) lighter than air aircraft:
- (2) certificates of maintenance approval (MAC):
- (3) certificates of inspection authorisation (IAC):
- (4) group ratings in the groups listed in Appendix B:
- (5) aircraft and component ratings.

### **66.7. Application for licences, certificates, and ratings**

(a) An applicant for the grant of an AMEL, additional licence category, or MAC must complete form CAA 24066/01 and submit it to the Director with a payment of the applicable fee.

(b) An applicant for the grant of a IAC must complete form CAA 24066/03 and submit it to the Director with a payment of the applicable fee.

(c) An applicant for the grant of a licence or certificate on the basis that the applicant is the holder of a current licence or certificate issued by a foreign contracting State to the Convention must, in addition to the requirements of paragraph (a) or (b), produce that licence or certificate to the Director.

(d) An applicant for the grant of an AMEL rating must complete form CAA 24066/02 and submit the form to the Director with a payment of the applicable fee.

- (e) Forms CAA 24066/01, CAA 24066/02, and CAA 24066/03 requires-
- (1) the name and address for service in Mongolia of the applicant; and
  - (2) further details relating to the applicant that the Director may require as specified on the form.

#### **66.9. Issue of licences, certificates and ratings**

(a) An applicant is entitled to a licence, certificate, or rating issued by the Director under this Part if the Director is satisfied that-

- (1) the applicant is a fit and proper person; and
- (2) the applicant has sufficient ability in reading, speaking, and understanding the language in which aircraft maintenance document was approved, to enable him or her to carry out the responsibilities of the holder of that licence, certificate, or rating; and
- (3) the applicant meets the eligibility requirements in the appropriate Subpart for the licence, certificate, or rating; and
- (4) the granting of the certificate or licence is not contrary to the interests of aviation safety.

(b) An applicant for the grant of a licence, certificate, or rating on the basis that they are the holder of a current licence or certificate issued by a foreign contracting State to the Convention is eligible to a licence or certificate if the Director is satisfied that-

- (1) the applicant is the holder of an acceptable licence or certificate; and
- (2) the applicant is a fit and proper person; and
- (3) the granting of the certificate or licence is not contrary to the interests of aviation safety; and
- (4) the applicant has passed the Air Law examination and oral examination required by 66.53(a).

(c) The holder of an AMEL issued by licencing authority of country signed Working Arrangement with MCAA is eligible to a licence or certificate issued under this Part if the holder passes an examination in Mongolian Air Law and oral examination acceptable to the Director.

#### **66.11. Duration of licences and certificates**

(a) An AMEL issued under this Part shall be valid for the lifetime of the holder unless it is suspended or revoked in accordance with the Act.

(b) A MAC may be granted-

- (1) for a period of up to 24 months; or
- (2) to the principal constructor of an aircraft, for a period of up to 5 years.

(c) A IAC may be granted for a period of up to 60 months.

(d) The holder of an AMEL, MAC, or IAC that has been suspended or revoked shall forthwith forward the document to the Director.

### **66.13. Examinations**

(a) Each applicant for the grant of a licence, rating, or certificate under this Part shall-

- (1) for any examination, produce written proof of personal identity; and
- (2) for a written examination, gain at least 70% of the possible marks in order to pass; and
- (3) for an oral examination, demonstrate a thorough working knowledge of the subject being tested.

(b) A pass in a written subject is valid for the lifetime of the holder except for written passes in Air Law which are valid for 5 years.

(c) To be eligible for the oral examination required by 66.53(a)(3) an applicant must meet the written examination and experience requirements in 66.53(a)(2) and (4).

(d) An applicant who fails the written or oral examination required by 66.53(a)(2), (3) 3 times shall be ineligible to reapply for that examination for a period of three months from the date of the last attempt.

### **66.15. Cheating or other unauthorised conduct**

(a) During any examination under this Part, no person must, unless authorised by the conducting officer-

- (1) copy from another person; or
- (2) refer to any unauthorised source of information; or
- (3) communicate in any way with anyone other than the conducting officer; or
- (4) take an examination on behalf of anyone else; or
- (5) remove written or printed material from the examination room, unless authorised to do so by the person administering the examination; or
- (6) use any means or device to copy electronic, written or printed material supplied during the examination; or
- (7) take unauthorised material into an examination room.

(b) Any person who performs any of the acts specified in paragraph (a) may be subject to all or any of the following as the Director may determine:

- (1) failure in that subject:
- (2) disqualification of all or any subjects already passed:
- (3) debarment from sitting further examinations under the MCAR for up to 12 months:

- (4) suspension or revocation of any licence, certificate, or rating issued to that person under this Part.

#### **66.17. Offences involving alcohol or drugs**

A conviction for any offence relating to alcohol or drugs, including a refusal to submit to any lawful test for alcohol or drugs, shall be relevant for determining whether a person is or remains fit and proper to hold a licence. Such conviction may result in a refusal to grant a licence, or suspension or revocation of the licence.

#### **66.19. Medical requirements**

The holder of a licence or certificate issued under this Part shall not exercise the privileges of that licence or certificate while that person has a known medical deficiency, or increase of a known medical deficiency, that creates a risk of harm to that person or to any other person.

### **Subpart B - Aircraft Maintenance Engineer Licence**

#### **66.51. Applicability**

This Subpart prescribes rules governing the grant of AMEL and the privileges, limitations, and recent experience requirements of that licence.

#### **66.53. Eligibility requirements**

- (a) To be eligible for the grant of an AMEL, a person must-
- (1) be at least 21 years of age; and
  - (2) have passed written examinations, or their equivalents, including an examination in Air Law, that-
    - (i) are acceptable to the Director; and
    - (ii) are relevant to the duties and responsibilities of an aircraft maintenance engineer in the category of licence sought; and
  - (3) have passed an oral examination covering the person's understanding and practical application of the duties and responsibilities exercised by the holder of an AMEL; and
  - (4) have satisfactorily completed one of the following:
    - (i) a traineeship in an aviation technical trade, of forty-eight months of practical aviation related experience, including formal technical training with the procedures, practices, materials, tools, machine tools, and equipment generally used in constructing, maintaining, or modifying airframes, powerplants, or avionic equipment, gained at any time; or



- (ii) a traineeship in an appropriate non-aviation technical trade, and thirty-six months of practical aviation related experience with the procedures, practices, materials, tools, machine tools, and equipment generally used in constructing, maintaining, or modifying airframes, powerplants, or avionic equipment, gained following completion of the traineeship; or
- (iii) if not completed required training in paragraph (4)(i), (ii) and (iv), a total of sixty months of practical aviation related experience with the procedures, practices, materials, tools, machine tools, and equipment generally used in constructing, maintaining, or modifying airframes, powerplants, or avionic equipment; or
- (iv) a course of integrated training, including at least thirty-six months of supervised training and experience, conducted by the holder of an aviation training organisation certificate granted under Civil Aviation law and in accordance with Part 141 or Part 147 if the certificate authorised the conduct of such a course.

(b) For each option in paragraph (a)(4), 24 months of the experience required shall be appropriate to the category of licence sought.

(c) The holder of an AMEL is entitled to an additional category of licence if the holder has passed the applicable examinations required by paragraph (a)(2) and has completed-

- (1) 24 months of experience appropriate to the category of licence sought; or
- (2) 12 months of experience appropriate to the category of licence sought if the applicant has exercised the privileges of an AMEL for 10 or more years.

#### **66.55. Privileges and limitations**

(a) Subject to paragraphs (b), (c), and the requirements of Part 145.5, an AMEL authorises the holder to-

- (1) perform or supervise the maintenance of an aircraft or component; and
- (2) release an aircraft or component to service after maintenance has been performed.

(b) The holder of an AMEL shall not exercise the privileges of that licence on an aircraft or component unless that person is familiar with the aircraft or component and-

- (1) holds the applicable group or type rating specified in Appendix B for that aircraft or component; or
- (2) the privileges are additional privileges specified in Appendix C.

(c) The holder of an AMEL shall not exercise the additional privileges specified in Appendix C that require the use of special test equipment unless the holder has evidence that they have received training on the use of that equipment.

#### **66.57. Recent experience requirements**

The holder of an AMEL shall not exercise the privileges of the licence unless, within the immediately preceding 24 months, the holder has-

- (1) for a period of at least 6 months-
  - (i) exercised the privileges of the licence; or
  - (ii) supervised the maintenance of aircraft relevant to the ratings held in an executive capacity; or
  - (iii) performed a technical training function relevant to the ratings held in a certificated training organisation; or
  - (iv) been engaged in any combination of subparagraph (i) to (iii); or
- (2) passed an oral examination covering the person's understanding and practical application of the duties and responsibilities exercised by the holder of an AMEL.

### **Subpart C - Aircraft Maintenance Engineer Ratings**

#### **66.101. Applicability**

This Subpart prescribes the rules governing aircraft maintenance engineer group ratings and aircraft maintenance engineer type ratings.

#### **66.103. Eligibility requirements**

To be eligible for the grant of an aircraft maintenance engineer group or type rating a person shall-

- (1) hold a current AMEL with appropriate category; and
- (2) have completed 6 months practical experience on the type or group of aircraft or components for which the rating is sought; and
- (3) have successfully completed-
  - (i) examinations acceptable to the Director; or
  - (ii) a course of training relevant to the type of aircraft or components for which the rating is sought-
    - (A) conducted by the holder of an aviation training organisation certificate granted under Civil Aviation Law and in accordance with Part 141 or Part 147 if the certificate authorised the conduct of such a course; or
    - (B) conducted by the manufacturer of the applicable aircraft or component; or
    - (C) approved by the competent authority of a foreign Contracting state to the Convention.

**66.105. Privileges**

- (a) A group rating authorises the holder of an AMEL to exercise the privileges of that licence on any aircraft or component falling within the definition of the applicable group in Appendix B.
- (b) Subject to the requirements in Part 145.5, a type rating authorises the holder of an AMEL to exercise the privileges of that licence on the type of aircraft or component specified on the rating.

**Subpart D - Certificate Of Maintenance Approval****66.151. Applicability**

This Subpart prescribes rules governing the issue of MAC and the privileges and limitations of that certificate.

**66.153. Eligibility requirements**

To be eligible for a MAC a person shall-

- (1) have practical experience, acceptable to the Director, for the particular type or group of aircraft or components for which the MAC is sought; and
- (2) for the particular type or group of aircraft or components for which the MAC is sought-
  - (i) have successfully completed a course of training acceptable to the Director; or
  - (ii) have passed examinations, including an examination in Air Law, that are acceptable to the Director.

**66.155. Privileges**

- (a) A MAC specifies the privileges that the certificate holder may exercise.
- (b) A MAC may authorise a person-
- (1) who is the holder of an AMEL, to perform maintenance on, and certify for release-to-service, any aircraft type for which the certificate holder does not have the practical experience required by rule 66.103(2); or
  - (2) who is not the holder of an AMEL but who satisfies the Director that he or she is competent, to perform or supervise-
    - (i) the maintenance specified on the certificate on an aircraft or component, and certify the aircraft or component for release-to-service; or
    - (ii) maintenance on, and certify for release-to-service an aircraft that has a special category airworthiness certificate issued in accordance with Part 21, Subpart H.

## Subpart E - Certificate of Inspection Authorisation

### 66.201. Applicability

This Subpart prescribes rules governing the grant of IAC and the privileges and limitations of that certificate.

### 66.203. Eligibility requirements

To be eligible for a IAC a person must-

- (1) hold a rated AMEL, issued under this Part, in both aeroplane and powerplant categories, or in both rotorcraft and powerplant categories, and at the time of application have-
  - (i) held the licence for a period of at least 60 months; and
  - (ii) met the recent experience requirement prescribed in 66.57 for a period of at least 60 months; and
- (2) have, within the immediately preceding 24 months-
  - (i) exercised the privileges of an AMEL; or
  - (ii) supervised, in an executive capacity, the maintenance of aircraft; and
- (3) have passed an examination in airframe overhaul that is acceptable to the Director; and
- (4) have successfully completed a course of instruction and passed a written examination on the inspection of aircraft and components for conformity with the MCAR, conducted by-
  - (i) the holder of a maintenance training organisation certificate or a restricted maintenance training organisation certificate issued under Part 147; or
  - (ii) the Director.

### 66.205. Privileges and limitations

(a) Subject to paragraph (b), a IAC entitles the holder to-

- (1) perform an annual review of aircraft maintenance in accordance with Part 43, Subpart D; and
- (2) certify conformity with the technical data listed in Appendix D to Part 21 after completion of major repairs and major modifications in accordance with Part 43, Subpart E.

(b) A person shall not exercise the privileges specified in paragraph (a) unless that person has available the equipment, facilities, and inspection data necessary to properly inspect airframes, powerplants, propellers, or any related part or component.

### **66.207. Recent experience requirements**

The holder of a IAC shall not exercise the privileges of that certificate unless, within the preceding 12 months, the holder has-

- (1) performed 4 annual reviews of aircraft maintenance in accordance with Part 43, Subpart D; or
- (2) certified 4 aircraft or components for conformity with the data listed in Appendix D to Part 21 after completion of major repairs or major modifications; or
- (3) performed a combination of subparagraphs (1) and (2); or
- (4) successfully completed a refresher course comprising at least 8 hours instruction that is acceptable to the Director; or
- (5) successfully completed an examination acceptable to the Director.

## **Appendix A - Transitional Arrangements**

- (a) License or rating that was issued under Part 66 shall be re-issued within 6 months since this Part was approved.
- (b) Any AMEL, certificate or rating that was issued before renewal of this Part, is remains valid until the license, certificate or rating is re-issued under this Part.
- (c) The Director may re-examine the holder of any license, certificate, or rating issued under Part 66 if he considers that action necessary to establish the holder's competency. As a result of any such re-examination the Director may vary or cancel the license, certificate, or rating if he thinks fit. (transition)

## Appendix B - Group and Type Ratings

### B.1. Groups

Ratings may be issued in the following groups:

(a) Aeroplane

**Group 1:** Metal stressed skin unpressurised aeroplanes with fixed landing gear not exceeding MCTOW of 5700kg:

**Group 2:** Metal stressed skin unpressurised aeroplanes other than Group 1:

**Group 3:** Aeroplanes with principally wooden or tubular structure, fabric covered:

**Group 4:** Aeroplanes constructed principally of fibre reinforced plastic (FRP) or similar material:

(b) Rotorcraft

**Group 1:** piston engined rotorcraft:

**Group 2:** turbine engined rotorcraft:

(c) Powerplant

**Group 1:** normally aspirated piston engines:

**Group 2:** turbocharged, supercharged, or radial piston engines:

(d) Electrical

**Group 1:** electrical systems in pressurised aeroplanes with an MCTOW of 5700kg or less and unpressurised aircraft which have as their primary source of power:

(i) DC generators; or

(ii) starter generators; or

(iii) alternators with self-contained rectifiers:

**Group 2:** Electrical systems which have as their primary source of power:

(i) DC generators, or starter generators, and have frequency wild alternators installed for secondary services; or

(ii) constant frequency AC from alternators driven by constant speed drive units:

(e) Instrument

**Group 1:** general aircraft instrument systems; basic flight instrument systems; oxygen systems, cabin pressurisation and air conditioning systems other than those fitted to pressurised aeroplanes with an MCTOW of 5700kg or more:

**Group 2:** auto flight and navigation systems including air data computer systems, servo driven instruments, remote gyro systems including remote reading compasses, automatic flight control systems and inertial navigation systems other than those fitted to pressurised aeroplanes with an MCTOW of 5700kg or more:

## (f) Radio

**Group 1:** airborne communication systems including VHF, HF, CVR, audio and ELT:

**Group 2:** airborne navigation systems including ADF, VOR, ILS, VLF, Omega, marker beacon, GPS and GNSS:

**Group 3:** surveillance systems including weather radar, doppler, radio altimeter, DME, transponder, ADS-B systems and TCAS:

## (g) Lighter than air aircraft

**Group 1:** hot air free balloons and hot air airships in their entirety:

**Group 2:** gas filled airships and their components excluding the engine and propeller or fan, or both.

**B.2. Types**

Ratings for the following aircraft or components must be issued by the Director as type ratings for the individual aircraft or component types:

- (1) **Aeroplane:** pressurised aeroplanes:
- (2) **Rotorcraft:** rotorcraft that the Director considers are not included in the Rotorcraft Group 1 or 2 rating:
- (3) **Powerplant:** turbine power plants:
- (4) **Electrical:** electrical systems and equipment installed in pressurised aeroplanes with an MCTOW of more than 5700kg:
- (5) **Instrument:** integrated flight systems installed in pressurised aeroplanes with an MCTOW of more than 5700kg:
- (6) **Radio:** complete radio installations installed in pressurised aeroplanes with an MCTOW of more than 5700kg:
- (7) **Components:** overhaul and maintenance of aircraft or components specified in rule 43.54(b) and (c).



## Appendix C - Additional Privileges

(a) The holder of a licence in category aeroplane or category rotorcraft may perform or supervise, and certify release to service the following maintenance, if rated on the applicable aircraft type:

- (1) the applicable inspections required by Part 91, Subpart G or Part 125, Subpart G or Part 135, Subpart G of Group 1 electrical and instrument systems and Group 1, 2, and 3 radio systems:
- (2) replacement, adjustment, and function testing of electrical and instrument components and systems performed within the aircraft (excluding compass systems) except where special test equipment is required:
- (3) maintenance of electrical storage batteries:
- (4) maintenance and installation of VHF and HF radio systems:
- (5) replacement of line replaceable units:
- (6) compass systems limited to the compensation of direct and remote reading compasses, and component changes in direct reading compass systems.

(b) The holder of a licence in category powerplant may perform or supervise, and certify for release to service the following maintenance, if rated on the applicable powerplant type:

- (1) functional checks and testing of engine instruments provided no special testing equipment is required:
- (2) replacement, adjustment and functional testing of components and systems associated with the engine provided no special test equipment is required
- (3) replacement of avionic line replaceable units associated with the powerplant.

(c) The holder of a rated licence in category electrical, instrument, or radio may perform or supervise, and certify for release to service the following maintenance:

- (1) the applicable inspections required by Part 91, Subpart G or Part 125, Subpart G or Part 135, Subpart G of Group 1 electrical and instrument, and Group 1, 2, and 3 radio systems:
- (2) replacement, adjustment, and function testing of electrical and instrument components and systems (excluding compass systems) performed within the aircraft except where special test equipment is required:
- (3) maintenance of electrical storage batteries:
- (4) maintenance and installation of VHF and HF radio systems:
- (5) replacement of line replaceable units.

(d) The holder of a rated licence in category lighter than air aircraft may perform or supervise, and certify for release to service the following maintenance:

- (1) routine inspections required by Part 91, Subpart G or Part 125, Subpart G or Part 135, Subpart G:
- (2) replacement, adjustment, and function testing of electrical and instrument components and systems (excluding compass systems) except where special test equipment is required:
- (3) repair and replacement of interwiring and instrument plumbing:
- (4) installation of VHF and HF radio systems:
- (5) compensation and component changing of direct reading compasses.

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