

## Comparison of practical experience requirement for issue of licence

Training	ICAO	Mongolian CAR	EASA	FAR	Model CAR
Age	18	21	18	18	18
Part 141 or 147 Approved training (ATO)	ATO + 24 mons. practical experience	36 mons. which includes training and experience	<ul style="list-style-type: none"> <li>- ATO (800 hours / 8 mons.) (A); + 12 mons. practical experience (A);</li> <li>- ATO (2,400 hours / 24 mons.) (B1, B2) + 12 mons. practical experience (B1.2, B1.4 B3, B2L); + 24 mons. practical experience (B2, B1.1, B1.3)</li> </ul>	<ul style="list-style-type: none"> <li>- Airframe or powerplant rating: ATO (1,150 hours / 12 mons.)</li> <li>- Airframe and powerplant rating: ATO (1,900 hours / 18 mons.)</li> </ul>	<ul style="list-style-type: none"> <li>- Airframe or powerplant rating: ATO (24 mons.)</li> <li>- Airframe and powerplant rating: ATO (30 mons.)</li> <li>- Avionics rating: ATO (18 mons.) + 12 mons. practical experience</li> <li>- Airframe, powerplant, and avionics rating: ATO (42 mons.) + 12 mons. practical experience</li> </ul>
Aviation technical trade		48 mons. including formal technical training and experience gained at any time			
Non-aviation technical trade		Non-aviation training + 36 mons. practical experience	<ul style="list-style-type: none"> <li>Technical trade training + 24 mons. practical experience (A, B1.2, B1.4 B3, B2L)</li> <li>+ 36 mons. practical experience (B2, B1.1, B1.3)</li> </ul>	<b>OR</b>	<b>OR</b>
Self-study (OJT)	48 mons. practical experience	60 mons. practical experience	<ul style="list-style-type: none"> <li>- 24 mons. practical experience (L)</li> <li>- 36 mons. practical experience (A, B1.2, B1.4 B3, B2L)</li> <li>- 60 mons. practical experience (B2, B1.1, B1.3, C)</li> </ul>	<ul style="list-style-type: none"> <li>- Airframe or powerplant rating: 18 mons. practical experience or</li> <li>- Airframe and powerplant rating: 30 mons. practical experience</li> </ul>	<ul style="list-style-type: none"> <li>- Airframe or powerplant rating: 30 mons. practical experience</li> <li>- Airframe and powerplant rating: 48 mons. practical experience</li> <li>- Avionics rating: 36 mons. practical experience</li> <li>- Airframe, powerplant, and avionics rating: 60 mons. practical experience</li> </ul>

**Тэмдэглэл:** Монголын AMEL олгох ИНД-66-гийн шаардлага нь ICAO, FAA, EASA-гийн шаардлагаас хатуу.

**FAA Gen 1.7. Annex 1 - 4.2.1.3:** The US **does not require 4 years of experience** to qualify to take the written examination for a mechanic's airframe and powerplant license.

## Part 66 Aircraft Maintenance Personnel Licensing

### Subpart B - Aircraft Maintenance Engineer 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

### В Бүлэг - Агаарын хөлгийн техник үйлчилгээний инженерийн үнэмлэх

#### 66.53. Нөхцөл хангах шаардлага

- (a) AMEL эзэмших этгээд нь дараах шаардлагыг хангасан байх үүрэгтэй:
- (1) 21 нас хүрсэн байх;
  - (2) нисэхийн хууль, дүрмийн шалгалтыг багтаасан бичгийн шалгалт, эсхүл тэдгээртэй дүйцэх дараах шалгалтад тэнцсэн байх:
    - (i) Даргын хүлээн зөвшөөрөхүйц;
    - (ii) хүсэлт гаргасан үнэмлэхний категорийн агаарын хөлгийн техник үйлчилгээний инженерийн үүрэг, хариуцлагатай холбоотой;
  - (3) AMEL эзэмшигчийн хэрэгжүүлэх үүрэг, хариуцлагын талаарх тухайн этгээдийн ойлголт болон практик хэрэглээг хамарсан аман шалгалтад тэнцсэн байх;
  - (4) дараах аль нэг сургалт, дадлагад амжилттай хамрагдсан байх:
    - (i) **нисэхийн мэргэжлийн техникийн сургуульд хийх сургалт дадлагаар агаарын хөлгийн хүчилсэн бүтэц, хүчний төхөөрөмж, эсхүл авионикийн төхөөрөмжийн үйлдвэрлэл, техник үйлчилгээ, эсхүл модификацид өргөн ашигладаг үйл ажиллагааны журам, дадлага, материал, багаж, машин-багаж болон төхөөрөмжийг хамарсан албан ёсны техникийн сургалтыг багтаасан, нисэхийн холбоотой ажлын 48 сарын дадлага туршлагыг аль ч цаг хугацаанд хуримтлуулсан байх; эсхүл**
    - (ii) нисэхийн бус, холбогдох мэргэжлийн техникийн сургуульд хийх сургалт болон тухайн сургалт дууссаны дараа, агаарын хөлгийн хүчилсэн бүтэц, хүчний төхөөрөмж, эсхүл авионикийн төхөөрөмжийн үйлдвэрлэл, техник үйлчилгээ, эсхүл модификацид өргөн ашигладаг үйл ажиллагааны журам, дадлага, материал, багаж, машин-багаж болон төхөөрөмжийг хамарсан, нисэхийн холбоотой ажлын 36 сарын дадлага туршлага хуримтлуулсан байх; эсхүл

(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.

(iii) энэ зүйлийн (4)(i), (ii) болон (iv)-т шаардсан сургалтад хамрагдаагүй боловч, агаарын хөлгийн хүчилсэн бүтэц, хүчний төхөөрөмж, эсхүл авионикийн төхөөрөмжийн үйлдвэрлэл, техник үйлчилгээ, эсхүл модификацид өргөн ашигладаг үйл ажиллагааны журам, дадлага, материал, багаж, машин-багаж болон төхөөрөмжийг хамарсан, нисэхийн холбоотой ажлын 60 сарын дадлага туршлагатай байх; эсхүл

(iv) Иргэний нисэхийн тухай хууль болон ИНД-141, эсхүл ИНД-147-гийн дагуу олгосон нисэхийн сургалтын байгууллагын гэрчилгээ эзэмшигчийн зохион байгуулсан, хяналттай сургалт болон дадлагыг багтаасан 36 сараас доошгүй хугацаатай цогц сургалтын курс, хэрэв гэрчилгээ нь тухайн сургалтын курсийг зохион байгуулахыг зөвшөөрсөн бол.

(b) Энэ зүйлийн (a)(4)-т заасан нөхцөлийн хувьд, шаардлагатай 24 сарын туршлага нь хүсэлт гаргасан үнэмлэхний категорид тохирсон байна.

(c) Хэрэв AMEL эзэмшигч нь энэ зүйлийн (a)(2)-т шаардсан зохих шалгалтад тэнцсэн ба дараах шаардлагыг хангасан бол тухайн үнэмлэхэнд нэмэлт категори авах эрхтэй:

- (1) хүсэлт гаргасан үнэмлэхний категорид тохирох ажлын 24 сарын туршлагатай байх; эсхүл
- (2) хүсэлт гаргасан үнэмлэхний категорид тохирох ажлын 12 сарын туршлагатай байх, хэрэв хүсэлт гаргагч нь 10 жил, эсхүл түүнээс дээш хугацаанд AMEL-ийн эрхийг хэрэгжүүлсэн бол.

# AC66-1 Aircraft Maintenance Engineer Licence - General

## 66.53(a)(4) - Practical experience and training

### *Licence issue experience*

Practical aviation experience requirements for licence issue vary depending on the method by which the applicant has gained training—

- An engineer that has not undertaken any formal engineering training but has completed the required examinations through self-study methods will be required to complete 5 years of practical aviation engineering experience;
- An engineer who has completed a traineeship in an aviation technical trade will be required to complete 4 years of practical aviation experience. These 4 years includes the time spent in formal technical training. The training could comprise a range of formal block courses or a continuous non-integrated training course. Mongolian Air Force training is considered to meet this requirement;
- Engineers who have successfully completed a traineeship in an allied engineering trade require 3 years of aviation related practical experience. This is in addition to any practical experience gained when qualifying for the allied trade qualification. An allied trade is a technical trade similar in nature to aviation trades such as, automotive engineering, general engineering, and electronic engineering; and
- Engineers that undertake a course of training conducted by a certificated Part 147 organisation that holds the appropriate Certificate ratings (E1 – E4) will need to show 3 years of aviation related experience which includes the time spent on integrated aviation training. The course will need to include supervised training and practical experience.

### *Category experience*

A period of 2 years of practical experience is required relating to the specific category being sought. For example, an applicant for a powerplant category is required to show 2 years of powerplant maintenance experience. The balance of the required experience may consist of experience in any of the other categories.

Practical experience for two or more categories may be gained concurrently if the nature of the job allows for this. For example, typically in a general aviation hangar, a tradesperson would work on both aeroplane and powerplant category type maintenance concurrently.

Rule 66.53(c)(2) provides for an engineer who has exercised the privileges of an AMEL for 10 years or more, the holder is entitled to an additional category of licence if he or she has completed 1 year of appropriate experience.

**CAA 24066-04 form.** Note the following:

1. The FAA A&P Certificate, or other ICAO state Certificates based on the FAA Certificate are not recognised.
2. EASA/JAA Category A licences are not recognised
3. Examination credits without a licence are not recognised.

# USED MATERIALS

## MODEL CIVIL AVIATION REGULATIONS. PART 2 – PERSONNEL LICENSING

### 2.6.2.6 EXPERIENCE REQUIREMENTS

(a) The applicant for an AMT licence and associated ratings may qualify by either practical experience or through completion of approved training in an ATO.

(b) PRACTICAL EXPERIENCE. Each applicant for an AMT licence and rating(s) relying on practical experience shall provide documentary evidence, acceptable to the Authority, of the following experience in the inspection, servicing, and maintenance of aircraft or its components:

- (1) Airframe rating – 30 months
- (2) Powerplant rating – 30 months
- (3) Airframe and powerplant ratings – 48 months
- (4) Avionics rating – 36 months
- (5) Airframe, powerplant, and avionics ratings – 60 months

ICAO Annex 1: 4.2.1.3(a)(1)

(c) APPROVED TRAINING. Each applicant for an AMT licence relying on completion of training in an ATO shall provide documentary evidence, acceptable to the Authority, of the following training:

- (1) Airframe rating – 24 months
- (2) Powerplant rating – 24 months
- (3) Airframe and powerplant ratings – 30 months
- (4) Avionics rating – 18 months in an ATO and 12 months of practical work experience
- (5) Airframe, powerplant, and avionics ratings – 42 months in an ATO and 12 months of practical work experience

ICAO Annex 1: 4.2.1.3. (a)(2); 4.2.1.4

**Note 1:** Regarding the avionics rating – Transport Canada requires 48 months for the avionics (electronic) rating. The JAA requirements are 5 years of experience for the avionics rating. The training recommendations are that a full mechanic licence, including requirements applicable to airframe and powerplant ratings, will be complied with prior to obtaining the avionics rating.

**Note 2:** ICAO Doc 10098, Manual on Training of Aircraft Maintenance Personnel, contains guidance material on the design and development of a training programme for aircraft maintenance personnel.

ICAO Annex 1: 4.2.1.3(a)(1) and (2); 4.2.1.4; 4.2.1.4R  
14 CFR 65.77, JAR 66.30

## **FAR § 65.77 Experience requirements.**

Each applicant for a mechanic certificate or rating must present either an appropriate graduation certificate or certificate of completion from a certificated aviation maintenance technician school or documentary evidence, satisfactory to the Administrator, of -

- (a) At least 18 months of practical experience with the procedures, practices, materials, tools, machine tools, and equipment generally used in constructing, maintaining, or altering airframes, or powerplants appropriate to the rating sought; or
- (b) At least 30 months of practical experience concurrently performing the duties appropriate to both the airframe and powerplant ratings.

## **EASA Part 66 - Subpart A Aircraft maintenance licence**

### **66.A.30 Basic experience requirements**

(a) An applicant for an aircraft maintenance licence shall have acquired:

2. for category B2 and subcategories B1.1 and B1.3:

- (i) 5 years of practical maintenance experience on operating aircraft if the applicant has no previous relevant technical training; or
- (ii) 3 years of practical maintenance experience on operating aircraft and completion of training considered relevant by the competent authority as a skilled worker, in a technical trade; or
- (iii) 2 years of practical maintenance experience on operating aircraft and completion of a basic training course approved in accordance with Annex IV (Part-147);

## **Annex 1**

### **4.2.1.3 Experience**

The applicant shall have had the following experience in the inspection, servicing and maintenance of aircraft or its components:

a) for the issue of a licence with privileges for the aircraft in its entirety, at least:

- 1) four years; or
- 2) two years if the applicant has satisfactorily completed an approved training course; and

b) for the issue of a licence with privileges restricted in accordance with 4.2.2.2 a) 2) or 3), a period of time that will enable a level of competency equivalent to that required in a) to be attained, provided that this is not less than:

- 1) two years; or
- 2) such a period as the State considers necessary to provide an equivalent level of practical experience to applicants who have satisfactorily completed an approved training course.