

## Introduction

This notice shall serve as a procedure for the AME application process. This will include, initial AME Certificate applications as well as revalidation, renewal of change of privileges to an AME certificate.

### 1.0 Requirements for the issue of an AME Certificate

An application for an AME certificate or for an extension of the privileges of an AME certificate shall be made in a form and manner specified below:

Applicants for an AME certificate shall provide TMCAD with:

- (1) their personal details and professional address;
- (2) documentation demonstrating that they comply with the requirements of point MED.D.010 (explained in the relevant sections below), including evidence of successful completion of the training course in aviation medicine appropriate to the privileges they apply for;
- (3) a written declaration that, once the AME certificate has been issued, the AME will issue medical certificates on the basis of the requirements of the relevant Regulation.

When AMEs undertake aero-medical examinations in more than one location, they shall provide TMCAD with relevant information regarding all practice locations and practice facilities.

When satisfied that the AME is in compliance with the applicable requirements, the AMS shall advise the Director General to issue, revalidate, renew or change the AME certificate for a period of 3 years.

**CIVIL AVIATION DIRECTORATE**

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**2.0 Applicants for an AME certificate with the privileges for the initial issue, revalidation and renewal of Class 2 medical certificates**

An applicant shall:

- (a) Be fully qualified and licensed for the practice of medicine and hold a Certificate of Completion of specialist training;
- (b) Have undertaken a basic training course in aviation medicine. The basic course for AMEs should consist of 60 hours theoretical and practical training, including specific examination techniques.

The learning objectives to acquire the necessary competencies shall include theoretical knowledge, risk management, and decision-making principles in the following subjects. Demonstrations and practical skills shall also be included, where appropriate.

(1) Introduction to aviation medicine;	(12) Psychiatry;
(2) Basic aeronautical knowledge;	(13) Psychology;
(3) Aviation physiology;	(14) Neurology;
(4) Cardiovascular system;	(15) Visual system and colour vision;
(5) Respiratory system;	(16) Otorhinolaryngology;
(6) Digestive system;	(17) Oncology;
(7) Metabolic and endocrine systems;	(18) Incidents and accidents escape and survival;
(8) Haematology	(19) Medication and flying;
(9) Genitourinary system;	(20) Legislation, rules and regulations;
(10) Obstetrics and gynaecology;	(21) Cabin crew working environment; and
(11) Musculoskeletal system;	(23) Space medicine.

The course shall be concluded by a written examination on the subjects included in the course content.

**(c) Applicants shall demonstrate to TMCAD that they:**

- (i) Have adequate facilities, procedures, documentation and functioning equipment suitable for aero-medical examinations; and
- (ii) Have in place the necessary procedures and conditions to ensure medical confidentiality.

Note: Applications shall be made on form TM/CAD/0215 and an onsite inspection of the AME practice will be conducted to verify that the AME practice is fully equipped to perform aero-medical examinations within the scope of the AME certificate applied for.

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**3.0 Applicants for an AME certificate extending their privileges to the revalidation and renewal of Class 1 medical certificates**

Applicants shall hold a valid certificate as an AME, **meet the requirements in the previous section** and have:

- (a) Conducted at least 30 examinations for the issue, revalidation or renewal of Class 2 medical certificates over a period of no more than 3 years **p**receding the application;
- (b) Undertaken an advanced training course in aviation medicine. The advanced training course for AMEs should consist of **66** hours of theoretical and practical training, including specific examination techniques.

**The learning objectives to acquire the necessary competencies shall include theoretical knowledge, risk management, and decision-making principles in the following subjects. Demonstrations and practical skills shall also be included, where appropriate.**

(1) Pilot working environment;	(7) Visual system and colour vision;
(2) Aerospace physiology;	(8) Otorhinolaryngology;
(3) Clinical medicine;	(9) Dentistry;
(4) Cardiovascular system;	(10) Human factors in aviation;
(5) Neurology;	(11) Incidents and accidents, escape and survival;
(6) Psychiatry/psychology;	(12) Tropical medicine.

**The course shall be concluded by a written examination on the subjects included in the course content.**

- (c) Undergone 2-day practical training or an equivalent of 10 Class 1 aero medical examinations under the direct supervision of the **Head of the AeMC or under the supervision of TMCAD**, prior to the authorization of the extension of privileges. **The successful completion of this shall be demonstrated by a report issued by the Head of AeMC.**

**Note: Applications shall be made on form TM/CAD/0295 and an onsite inspection of the AME practice will be conducted to verify that the AME practice is fully equipped to perform aero-medical examinations within the scope of the AME certificate applied for.**

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**4.0 Applicants for an AME certificate extending their privileges to the revalidation and renewal of Class 3 medical certificates**

Following separation of books between Part-MED and Part-ATCO, reference is being made to the contents of syllabus in particular to certain areas which address better the conditions and environment in which ATCOs operate.

The below proposal as suggested by Eurocontrol should serve as guidance:

<b>Subject</b>	<b>Duration hh:mm</b>
Organisation of air traffic control (including but not limited to: flow management, en route, approach, tower; centres and sectors organisation, single versus multi ATCO position; civil and military; international traffic) Including risk assessments	1:00
Selection and training of ATCO's (licenses, ratings, different tasks)	1:00
Medical certification of ATCO's (including differences with class 1 pilots); forms, medical and operational conditions, limitations	2:00
Certification rules of Eurocontrol, EASA, ICAO (including the differences between them)	1:00
Differences in ophthalmologic criteria and link to OPS environment (tower work versus displays; colour vision, mesopic vision, contrast vision, glare)	1:00
Differences in ENT criteria and link to OPS environment	1:00
Differences in psychological criteria (including but not limited to: stress, burn-out, boredom, posttraumatic stress, legal investigations after incidents) and link to OPS environment	2:00
Influence of work (including but not limited to: stress, sedentary job, isolation from natural environment) on health and risk factors (health promotion)	1:00
Human factors and team resource management in air traffic control	1:00
Influence of environmental / ergonomic issues (including but not limited to: rostering, lighting, noise, airco, furniture, shift work, pauses)	1:00
Statistical data on ATCO morbidity and reasons for unfitness; use of medication	1:00
Visit to OPS-room and Tower	2:00 x 2
Simulation exercise	2:00

Course in total: 13hours theoretical + 6hours practical

The course shall be concluded by a written examination on the subjects included in the course content.

Note: Applications shall be made on form TM/CAD/0295 and an onsite inspection of the AME practice will be conducted to verify that the AME practice is fully equipped to perform aero-medical examinations within the scope of the AME certificate applied for.

**AEROMEDICAL SECTION**