

## Appendix General

### Medical Provisions for Licensing of Civil Aviation Authority of Thailand 2019

The Medical Standards and Recommended Practices established in this chapter cannot, on their own, be sufficiently detailed to cover all possible individual situations. Of necessity, many decisions relating to the evaluation of medical fitness must be left to the judgments of the individual Authorized Medical Examiner – AME, Senior Authorized Medical Examiner – SAME and medical assessors. The evaluation must, therefore, be based on a medical examination conducted throughout in accordance with the highest standards of medical practice.

An applicant for a Medical Assessment issued in accordance with CAAT Medical requirements shall undergo a medical examination based on the following requirements, Physical and mental; Visual and color perception; and Hearing.

Physical and mental requirements.

An applicant for any class of Medical Assessment shall be required to be free from:

- a) Any abnormality, congenital or acquired; or
- b) Any active, latent, acute or chronic disability; or
- c) Any wound, injury or sequelae from operation; or

d) Any effect or side-effect of any prescribed or non-prescribe therapeutic, diagnostic or preventive medication taken; such as would entail a degree of functional incapacity which is likely to interfere with the safe operation of an aircraft or with the safe performance of duties.

**Note.** — Use of herbal medication and alternative treatment modalities requires particular attention to possible side-effects.

An examination of, for example, the heart and lungs, head, otolaryngology, movement of extremity, dermatology, lymph node, checking the blood pressure, urine blood test, chest X-ray, electrocardiogram (ECG), hearing requirement, visual requirement, color perception, dermatology, according to Medical Examiner Report, mental health, psychological evaluation and use of psychoactive substances, problematic use of substances in all pilots on pre-employment testing, post accidental testing, random testing, periodic testing and testing based on reasonable cause.

An applicant for a Medical Assessment issued in accordance with CAAT Medical

requirements shall undergo a medical examination based on Medical Examination Report form which dedicated by CAAT.

Predisposing factors for disease, such as obesity and smoking, alcohol consumption or problematic use of substances may be important for determining whether further evaluation or investigation is necessary in an individual case.

The applicant for a Medical Assessment shall provide the medical examiner with a personally certified statement of medical facts concerning personal, familial and hereditary history. The applicant shall be made aware of the necessity for giving a statement that is as complete and accurate as the applicant's knowledge permits, and any false statement shall be dealt with in accordance with

Any false declaration to a Authorized Medical Examiner – AME made by an applicant for a license or rating shall be reported to the Aeromedical Division (MD.) Personnel licensing department of The Civil Aviation Authority of Thailand for such action as may be considered appropriate.

The level of medical fitness to be met for the renewal of a Medical Assessment shall be the same as that for the initial assessment except where otherwise specifically stated.

CAAT shall not permit the holder of a license to exercise privileges other than those granted by that license.

If the medical Standards prescribed in medical provision for a particular license are not met, the appropriate Medical Assessment shall not be issued or renewed unless the following conditions are fulfilled:

a) accredited medical conclusion indicates that in special circumstances the applicant's failure to meet any requirement, whether numerical or otherwise, is such that exercise of the privileges of the license applied for is not likely to jeopardize flight safety;

b) relevant ability, skill and experience of the applicant and operational conditions have been given due consideration; and

c) the license is endorsed with any special limitation or limitations when the safe performance of the license holder's duties is dependent on compliance with such limitation or limitations.

### **Visual acuity test requirements**

- a) The methods in use for the measurement of visual acuity are likely to lead to differing evaluations. To achieve uniformity, therefore, CAAT shall ensure that equivalence in the methods of evaluation be obtained.

- b) Visual acuity tests should be conducted in an environment with a level of illumination that corresponds to ordinary office illumination (30-60 cd/m<sup>2</sup>).
- c) Visual acuity should be measured by means of a series of Landolt rings or similar optotypes, placed at a distance from the applicant appropriate to the method of testing adopted.

#### **Color perception requirements**

- a) CAAT shall ensure that methods of examination as will guarantee reliable testing of color perception.
- b) The applicant shall be required to demonstrate the ability to perceive readily those colors the perception of which is necessary for the safe performance of duties.
- c) The applicant shall be tested for the ability to correctly identify a series of pseudoisochromatic plates in daylight or in artificial light of the same color temperature such as that provided by CIE standard illuminants C or D65 as specified by the International Commission on Illumination (CIE).
- d) An applicant obtaining a satisfactory result as prescribed by CAAT Medical requirements shall be assessed as fit. An applicant failing to obtain a satisfactory result in such a test shall be assessed as unfit unless able to readily distinguish the colors used in air navigation and correctly identify aviation colored lights. Applicants who fail to meet these criteria shall be assessed as unfit except for Class 2 assessment with the following restriction: valid daytime only.

**Recommendation.** —Sunglasses worn during the exercise of the privileges of the license or rating held should be non-polarizing and of a neutral grey tint.

#### **Hearing test requirements**

- a) CAAT shall ensure such methods of examination as will guarantee reliable testing of hearing.
- b) Applicants shall be required to demonstrate a hearing performance sufficient for the safe exercise of their license and rating privileges.
- c) Applicants for shall be tested by pure-tone audiometry at first issue of the Assessment, not less than once every two years and when clinical indicate.
- d) The reference zero for calibration of pure-tone audiometers is that of the pertinent Standards of the current edition of the Audiometric Test Methods, published by the International Organization for Standardization (ISO).
- e) Alternatively, other methods providing equivalent results may be used, applicants shall be tested in a quiet room by whispered and spoken voice tests.

- f) For the purpose of testing hearing in accordance with the requirements, a quiet room is a room in which the intensity of the background noise is less than 35 dB(A).
- g) For the purpose of testing hearing in accordance with the requirements, the sound level of an average conversational voice at 1 m from the point of output (lower lip of the speaker) is c. 60 dB(A) and that of a whispered voice c. 45dB(A). At 2 m from the speaker, the sound level is 6 dB(A) lower.