

REGULATIONS OF THE CIVIL AVIATION BOARD
NUMBER 77
ON THE QUALIFICATIONS AND PRIVILEGES OF
APPLICANTS FOR AIRCRAFT ENGINEERS

By virtue of Section 15 (2) and Section 44 (3) of the Air Navigation Act B.E 2497, which contains certain provisions concerning the restriction on personal rights and freedoms, which, under Section 29 and Section 43 of the Constitution of the Kingdom of Thailand, can be done by virtue of the provisions of law, the Civil Aviation Board, with the approval of the Minister of Transport, has issued the regulations concerning the qualifications and privileges of applicants for aircraft engineers as follows:

Article 1. The Regulations of the Civil Aviation Board, Number 11 on the qualifications of applicants for aircraft engineers and privileges of holders of aircraft engineer licences dated the 18th day of February B.E. 2506 shall be repealed.

Article 2. In this regulations,
“Maintenance” means performance of tasks required to ensure the continuing airworthiness of an aircraft, for example, repair, inspection, replacement, modification or defect rectification;

“Director General” means the Director General of the Civil Aviation Department.

Article 3. The applicant for the aircraft engineer shall be not less than 18 years of age

Article 4. The applicant for the aircraft engineer shall be of good health appropriate to the task to be performed.

The applicant for the aircraft engineer shall not use narcotics, [or] drink or take alcohol, psychedelic drugs, sedatives [or] other psychoactive substances in a way that constitutes a direct hazard to the applicant.

Article 5. The applicant for the aircraft engineer shall have the following knowledge:

A. Air law and airworthiness requirements in relation to:

1) Rules and regulations relevant to the holder of an aircraft engineer licence;

2) Airworthiness requirements governing certification and continuing airworthiness of aircraft and certification of a repair station;

B. Natural science and aircraft general knowledge in relation to:

1) Basic mathematics;
2) Units of measurement;
3) Fundamental principles and theory of physics and chemistry applicable to aircraft maintenance;

C. Aircraft engineering in relation to:

1) Characteristics and applications of the materials of aircraft construction;
2) Principles of construction and functioning of aircraft structures;

3) Fastening techniques;
4) Powerplants and their associated systems;
5) Mechanical, fluid, electrical and electronic power sources;
6) Aircraft instrument and display systems;
7) Aircraft control systems;
8) Airborne navigation and communication system;

D. Aircraft maintenance in relation to:

1) Tasks required to ensure the continuing airworthiness of an aircraft or aircraft part;
2) Methods and procedures for the repair, overhaul, inspection, replacement, modification or defect rectification of aircraft structures, components and systems in accordance with the methods prescribed in the maintenance manuals;
3) Other standards of airworthiness;

E. Human performance in relation to the aircraft engineer.

Article 6. The applicant for the aircraft engineer shall have the following skills in the inspection, servicing and maintenance of aircraft or its components as follows:

A. The applicant for the aircraft engineer who applies for the rating as specified in Article 8 A.(1) shall have experience in such tasks at least four years; or two years if the applicant has completed a training course approved by the Director General;

B. The applicant for the aircraft engineer who applies for the rating as specified in Article 8 A.(2) or (3) shall have experience in such tasks concerning the airframe and powerplants or components, or avionic at least two years; or such a period as specified in a notification by the Director General provided that the applicant shall have completed a training course approved by the Director General at a training organization approved by the Director General.

The applicant shall have demonstrated the ability to perform those functions applicable to the privileges to be granted by passing the test in accordance with the rules and procedures specified in a notification by the Director General.

Article 7. The privileges of the holder of an aircraft engineer licence shall be to certify the aircraft or parts of the aircraft as airworthy after an authorized repair, modification or installation of a powerplant, accessory, instrument or item of equipment, or the preventive maintenance, and to sign a maintenance release following maintenance operations or routine servicing.

Article 8. The privileges of the holder of the aircraft engineer licence specified in Article 7 in accordance with categories and types stated in the licence shall be exercised only:

A. As entered on the licence:

1) Aircraft in their entirety either specifically or under broad categories; or

2) Airframes and powerplants and aircraft systems or components either specifically or under broad categories;

3) Aircraft avionic systems or components either specifically or under broad categories.

B. the relevant information relating to the maintenance and airworthiness of the aircraft or airframe, powerplants system, aircraft or component system, and aircraft or component avionics system for which the licence holder is certifying as being airworthy or is signing a maintenance release as the case may be;

C. Within twenty four months after the date of receipt of the licence, the holder of the aircraft engineer licence shall have experience in the inspection or routine servicing of an aircraft or components in accordance with the privileges granted for not less than six months, or shall have retained the qualifications as stated in the licence.

Article 9. The endorsement of the rating of the holder of the aircraft engineer with respect to the rating stated in Article 8 A. shall be in accordance with the rules and procedures specified in a notification by the Director General.

Article 10. The aircraft engineer licence of the person obtaining under the Regulations of the Civil Aviation Board, Number 11 before the date this Regulations comes into force shall remain applicable until expiration of the licence. If wishing to renew the aircraft engineer licence, such person shall submit an application to the Department of Civil Aviation together with evidence indicating the completion of the training course on human performance within sixty days before the date of expiration of the original licence.

All applications submitted under the Regulations of the Civil Aviation Board, Number 11 and are in between the process of consideration shall be deemed as the applications under this Regulations *mutatis mutandis*. To enforce this Regulations, the Director General shall have the power to order to amend the applications or call upon any additional documents.

Article 9.¹ This Regulations shall come into force upon expiration of ninety days from the date following the date of its publication in the Government Gazette.

Given on this 4th day of January B.E. 2551
Admiral Theera Haocharoen
Minister of Transport
Chairman of Civil Aviation Board

¹ Government Gazette, Volume 125, Special Part 26 ng, p. 24, 6 February 2551.