
-Unofficial Translation -#

Regulations of the Council of Engineers
On Requirements and Qualifications of Regulated Engineering Profession Practitioners of Each Level
in the Field of Mechanical Engineering,
B.E. 2551 (A.D. 2008)

By virtue of Section 8 (6) (f) and paragraph two of Section 46 of the Engineer Act, B.E. 2542 (A.D. 1999), and the Ministerial Regulations Prescribing the Fields of Engineering Profession and Regulated Engineering Profession, B.E. 2550 (A.D. 2007), which are laws containing certain provisions relating to the restriction of rights and liberties of persons, for which Section 29 in conjunction with Section 43 and Section 45 of the Constitution of the Kingdom of Thailand so permitted by virtue of the provisions of law, the Council of Engineers, with approval of the Ordinary General Assembly of the Council of Engineers and approval of the Special President of the Council of Engineers, issues these Regulations as follows:

Clause 1. These Regulations shall be called “Regulations of the Council of Engineers on Requirements and Qualifications of Regulated Engineering Profession Practitioners of Each Level in the Field of Mechanical Engineering, B.E. 2551 (A.D. 2008).”

Clause 2. These Regulations shall come into force from the day following the date of its publication in the Government Gazette onwards.

Clause 3. The works, types and sizes of regulated engineering profession in the field of mechanical engineering shall be as stipulated in the Ministerial Regulations Prescribing the Fields of Engineering Profession and Regulated Engineering Profession, B.E. 2550 (A.D. 2007).

Clause 4. A person licensed to practice the regulated engineering profession in the field of mechanical engineering at the senior professional engineer level may practice the mechanical engineering works of all types and sizes.

Clause 5. A person licensed to practice the regulated engineering profession in the field of mechanical engineering at the professional engineer level may practice the regulated engineering profession in the field of mechanical engineering of only the following works, types and sizes:

- (1) Project Planning Work of all types and sizes;
- (2) Design and Computational Work:
 - (a) Machinery with equipment power of not over 750 kilowatts;

(b) Steam boiler or other type of vapors, pressure vessel, or kiln with pressure of not over 4,000 kilopascals, or pressure vessel with volume of not over 10 square meters, or with equipment production capacity of steam or other type of vapors of not over 20,000 kilograms per hour;

(c) Air conditioner or refrigerator with equipment power of not over 700 kilowatts or with conditioned or refrigerated area of not over 50,000 square meters;

(d) Fluid system in pressure or vacuum pipes with fluid pressure in pipe of all sizes, unless the fluid is a toxic or hazardous material under the law applicable to control of hazardous materials. This shall not exclude general refrigerants;

(e) Energy management of all sizes;

(f) Fire extinguishing system and fire prevention system of all sizes;

(3) Construction or Production Supervision:

(a) Machinery with combined total system power of not over 2,000 kilowatts;

(b) Steam boiler or other type of vapors, pressure vessel, or kiln with pressure of not over 4,000 kilopascals, or pressure vessel with volume of not over 30 square meters, or with equipment production capacity of steam or other type of vapors of not over 30,000 kilograms per hour;

(c) Air conditioner or refrigerator with equipment power of not over 1,500 kilowatts;

(d) Fluid system in pressure or vacuum pipes with fluid pressure in pipe of not over 3,000 kilopascals, unless the fluid is a toxic or hazardous material under the law applicable to control of hazardous materials. This shall not exclude general refrigerants;

(e) Fire extinguishing system and fire prevention system of all sizes;

(4) Investigation Work of all types and sizes;

(5) Operation and Maintenance Supervision:

(a) Machinery with combined total system power of not over 5,000 kilowatts;

(b) Steam boiler or other type of vapors, pressure vessel, or kiln with pressure of not over 5,000 kilopascals, or with equipment production capacity of steam or other type of vapors of not over 100,000 kilograms per hour, or with combined total system of not over 300,000 kilograms per hour;

(c) Air compressor or gas compressor with pressure of not over 1,500 kilopascals and with volumetric capacity of not over 50 cubic meters;

(d) Air conditioner or refrigerator of all sizes;

(e) Fluid system in pressure or vacuum pipes with fluid pressure in pipe of all sizes, unless the fluid is a toxic or hazardous material under the law applicable to control of hazardous materials. This shall not exclude general refrigerants; and

(f) Fire extinguishing system and fire prevention system of all sizes.

Clause 6. A person licensed to practice the regulated engineering profession in the field of mechanical engineering at the associate engineer level may practice only the following works, types and sizes of the regulated engineering profession in the field of mechanical engineering:

(1) Project Planning Work:

(a) Machinery with project value of not over 20 million Baht, or with combined total system power of not over 500 kilowatts, or servicing in a building with floor area of not over 10,000 square meters, or installation in a building servicing not over 200 persons;

(b) Steam boiler or other type of vapors, pressure vessel, or kiln with project value of not over 20 million Baht, or steam boiler or other type of vapors, or kiln using annual thermal power of not over 100 million mega-joules, or steam boiler or other type of vapors, pressure vessel, or kiln used in a building with floor area of not over 10,000 square meters, or installation in a building servicing of not over 500 persons;

(c) Air conditioner or refrigerator with project value of not over 50 million Baht, or with combined total system power of not over 500 kilowatt, or servicing in a building with floor area of not over 5,000 square meters, or installation in a building servicing of not over 500 persons;

(d) Fluid system in pressure or vacuum pipes with project value of not over 50 million Baht, or with combined total system power of not over 500 kilowatt, or servicing in a building with floor area of not over 10,000 square meters, or installation in a building servicing of not over 500 persons;

(e) Energy management with capacity of not over 2,000 kilowatts or using annual thermal power of not over 40 million mega-joules; and

(f) Fire extinguishing system and fire prevention system, which is not a special extinguishing system, such as use of gas or foam, with system value of not over 10 million Baht, or with fire protection area of not over 10,000 square meters.

(2) Design and Computational Work:

(a) Machinery with equipment power of not over 100 kilowatts;

(b) Steam boiler or other type of vapors, pressure vessel, or kiln with pressure of not over 1,000 kilopascals, or pressure vessel with volume of not over 3 square meters, or with equipment production capacity of steam or other type of vapors of not over 5,000 kilograms per hour;

(c) Air conditioner or refrigerator with equipment power of not over 100 kilowatts or with conditioned or refrigerated area of not over 2,000 square meters;

(d) Fluid system in pressure or vacuum pipes with fluid pressure in pipe of not over 1,500 kilopascals, unless the fluid is a toxic or hazardous material under the law applicable to control of hazardous materials. This shall not exclude general refrigerants;

(e) Energy management with capacity of not over 1,000 kilowatt or higher, using annual thermal power of not over 20 million mega-joules; and

(f) Fire extinguishing system and fire prevention system, which is not a special extinguishing system, such as use of gas or foam, with system value of not over 5 million Baht, or with fire protection area of not over 5,000 square meters.

(3) Construction or Production Supervision:

(a) Machinery with equipment power of not over 500 kilowatts;

(b) Steam boiler or other type of vapors, pressure vessel, or kiln with pressure of not over 2,000 kilopascals, or pressure vessel with volume of not over 10 square meters, or with equipment production capacity of steam or other type of vapors of not over 5,000 kilograms per hour;

(c) Air conditioner or refrigerator with equipment power of not over 350 kilowatts;

(d) Fluid system in pressure or vacuum pipes with fluid pressure in pipe of not over 1,500 kilopascals, unless the fluid is a toxic or hazardous material under the law applicable to control of hazardous materials. This shall not exclude general refrigerants; and

(e) Fire extinguishing system and fire prevention system of all sizes.

(4) Investigation Work:

(a) Machinery with equipment power of not over 100 kilowatts; and

(b) Fire extinguishing system and fire prevention system of all sizes.

(5) Operation and Maintenance Supervision:

(a) Machinery with total system power of not over 2,000 kilowatts;

(b) Steam boiler or other type of vapors, pressure vessel, or kiln with pressure of not over 2,000 kilopascals, or with equipment production capacity of steam or other type of vapors of not over 20,000 kilograms per hour, or with combined total system of not over 100,000 kilograms per hour;

(c) Air compressor or gas compressor with pressure of not over 2,000 kilopascals and with volumetric capacity of not over 30 cubic meters;

(d) Air conditioner or refrigerator with system power of not over 2,000 kilowatts;

(e) Fluid system in pressure or vacuum pipes with fluid pressure in pipe of not over 2,000 kilopascals, unless the fluid is a toxic or hazardous material under the law applicable to control of hazardous materials. This shall not exclude general refrigerants; and

(f) Fire extinguishing system and fire prevention system of all sizes.

Clause 7. A person licensed to practice the regulated engineering profession in the field of mechanical engineering at the adjunct engineer level may practice the mechanical engineering works of the types and sizes specified in the license.

Clause 8. In the case where it is necessary to make a judgment on requirements and qualifications of regulated engineering profession practitioners at each level in the field of mechanical engineering under these Regulations, the Board of the Council of Engineers shall be responsible for making such judgment and the Board of the Council of Engineers' judgment shall be final.

Clause 9. A person licensed to practice the regulated engineering profession who has practiced the regulated engineering profession of the type and field specified in the license in accordance with rules and conditions prescribed by the Ministerial Regulations No. 4 (B. E. 2508, A.D. 1965) issued pursuant to the Engineering Profession Act, B.E. 2505 (A.D. 1962), before the date these Regulations comes into force may continue to perform the work until it is completed.

Announced on 13 November 2008
Wira Mawijak
President of the Council of Engineers