

Translation

NOTIFICATION OF THE OFFICE OF ATOMS FOR PEACE
ON BEING A RADIATION SAFETY OFFICER,
B.E. 2563 (2020)*

By virtue of clause 6 and clause 9 of the Ministerial Regulation on the classifications, academic qualifications, and licensing of radiation safety officers, B.E. 2563 (2020), the Secretary General of the Office of Atoms for Peace hereby issues the Notification as follows:

Clause 1. This Notification is called “Notification of the Office of Atoms for Peace on Being a Radiation Safety Officer, B.E. 2563 (2020)”

Clause 2. This Notification shall come into force from the day following the date of its publication in the Government Gazette.

Clause 3. A person, who has the qualifications and is not under the prohibitions under section 95 paragraph two and has academic qualifications under the Ministerial Regulation on the classifications, academic qualifications, and licensing of radiation safety officers, B.E. 2563 (2020), shall apply for a radiation safety officer license in accordance with one of the following rules:

(1) that person has received a license for practice of the art of healing or a license for professional practice from the authorities under clause 4;

(2) that person has passed the validated academic curriculum according to the rules and procedures of academic curriculum validation under clause 5 and clause 6;

(3) that person has passed a competency test in accordance with the rules and procedures under clause 7.

* Published in the Government Gazette, Vol. 137, Special Part 182 d, dated 7th August B.E. 2563 (2020)

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Clause 4. A holder of a license for practice of the art of healing or a license for professional practice from the following authorities could be a radiation safety officer at a basic level or an intermediate level:

(1) the Radiological Technologist Professional Board that issues licenses for practice of the art of healing on radiological technology;

(2) The Medical Council that issues medical licenses and diplomas of the Thai Boards of:

(a) general radiology;

(b) diagnostic radiology;

(c) radiation therapy and oncology;

(d) nuclear medicine.

The licenses under paragraph one (1) and (2) (a) and (b) are valid for being radiation safety officers at the basic level for all categories and at the intermediate level for the radiation generator category. The licenses under paragraph one (2) (c) and (d) are valid for being radiation safety officers at the basic level for all categories and at the intermediate level for all categories.

Clause 5. An applicant for a radiation safety officer license, who wish to have his or her academic curriculum validated, shall graduate from an institution accredited by the Office of the Civil Service Commission, and the validation shall be done only once for the same academic curriculum.

The validated academic curriculum shall be valid for being radiation safety officers at the basic level for all categories and at the intermediate level for all categories.

Clause 6. An academic curriculum validation shall consider that an academic curriculum for a validation request must have at least the same topics of subjects as the ones in proficiency tests for radiation safety officer licenses, both theoretical and practical tests attached to this Notification according to the level and category requested for validation with the duration of studies not less than follows:

(1) 24 hours for a radiation safety officer at the basic level for the radioactive material category;

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(2) 18 hours for a radiation safety officer at the basic level for the radiation generator category;

(3) 33 hours for a radiation safety officer at the basic level for the radioactive material and radiation generator category;

(4) 75 hours for a radiation safety officer at the intermediate level for the radioactive material category;

(5) 60 hours for a radiation safety officer at the intermediate level for the radiation generator category;

(6) 105 hours for a radiation safety officer at the intermediate level for the radioactive material and radiation generator category.

Clause 7. A competency test for a radiation safety officer license contains 2 sections as follows:

(1) a theoretical section on legal and radiation technology subjects for the applicants of radiation safety officer licenses at all levels and all categories. A score of not less than 60 percent in each subject shall be considered passing.

(2) a practical section for the applicants of radiation safety officer licenses at the intermediate level for the radioactive material category and the radioactive material and radiation generator category and at the advanced level for all categories. A score of not less than 60 percent in a practical section shall be considered passing.

Test scores for each subject in a theoretical section and a practical section under paragraph one shall be valid for two years from the score release date.

The topics of subjects for a competency test under paragraph one shall be prescribed as attached to this Notification. However, a competency test on the same topic of a subject may differ depending on the levels and categories of radiation safety officers.

Clause 8. A radiation safety officer, who wishes to renew the license, shall undergo a training and a test with a score of not less than 60 percent.

A radiation safety officer under clause 4, who is still a practitioner in the art of healing or a medical profession with a diploma of the Thai Board of such medical profession on the date of applying for a license renewal, shall be exempted from undergoing a training and a test under paragraph one.

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Clause 9. Procedures for a test registration, evidence required for a test registration, a test schedule, a test location, other requirements on a test, and a test fee shall be notified by the Office from time to time.

Given on the 31th Day of July B.E. 2563

Permsuk Sutchaphiwat

Secretary General of the Office of Atoms for Peace

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**Topics of subjects for competency tests
when applying for a radiation safety officer license**

Theoretical section on legal and radiation technology subjects

1. Legal subjects for an applicant of a radiation officer license at all levels and all categories

(1) Nuclear Energy for Peace Act, B.E. 2559 (2016) as amended

(2) Related ministerial regulations, notifications, or regulations

2. Radiation technology subjects

(1) General subjects for an applicant of a radiation officer license at all levels and all categories

1) Basic principle of nuclear energy and radiation

2) Radiation probe, radiation detector and radiation measurement

3) Radiation measurement unit

4) Radiation effects on living things

5) Principles of radiation protection

6) Interactions of radiation with matter (only for intermediate and advanced levels)

(2) Specific subjects on radioactive materials for an applicant of a radiation officer license for the radioactive material category and the radioactive material and radiation generator category

1) Radiation protection for radioactive material, including developing and reviewing radiation protection measures

2) Radiation shielding

3) Using radiation measuring devices and surveying workplaces for radiation protection

4) Management and quality control on radiation safety

5) Capability, competency, and responsibility of a radiation safety officer

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- 6) Radiation security, including developing and reviewing a radiation security plan
 - 7) Leakage testing of radioactive materials
 - 8) Transport of radioactive materials
 - 9) Radioactive waste management
 - 10) Developing and reviewing an action plan for radiation emergencies
 - 11) Developing and reviewing a radiation protection plan (only for intermediate and advanced levels)
 - 12) Developing and reviewing an action plan for radiation accidents (only for intermediate and advanced levels)
 - 13) Measuring and assessing external and internal radiation exposure (only for intermediate and advanced levels)
 - 14) Inspection and decontamination of radioactive contamination on surfaces (only for intermediate and advanced levels)
 - 15) Radiation safety assessment, verification, and investigation on radiation incidents (only for intermediate and advanced levels)
- (3) Specific subjects on radiation generators for an applicant of a radiation officer license for the radiation generator category and the radioactive material and radiation generator category
- 1) Radiation protection for radiation generators including developing and reviewing radiation protection measures
 - 2) Radiation shielding
 - 3) Using radiation measuring devices and surveying workplaces for radiation protection
 - 4) Management and quality control on radiation safety
 - 5) Capability, competency, and responsibility of a radiation safety officer
 - 6) Measuring and assessing external radiation exposure
 - 7) Developing and reviewing an action plan for radiation incidents
 - 8) Developing and reviewing an action plan for radiation accidents

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9) Verification and investigation on radiation incidents and emergencies (only for intermediate and advanced levels)

10) Radiation safety assessment (only for intermediate and advanced levels)

Practical section

(1) Subjects for an applicant of a radiation officer license at an intermediate level for the radioactive material category and the radioactive material and radiation generator category

1) Radiation shielding

2) Using radiation measuring devices and surveying workplaces for radiation protection

3) Measurement of radioactive contamination on surfaces

4) Decontamination of radioactive contamination on surfaces

(2) Subjects for an applicant of a radiation officer license at an advanced level for all categories

1) Using radiation measuring devices to work safely with radioactive materials or radiation generators

2) Measurement, inspection, and verification for radiation safety assessment

3) Measurement, radiation decontamination, and assessment of the spread of radiation contamination

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