

GOVERNMENT NOTICE No. 33 Published on 17/1/2025

THE ATOMIC ENERGY ACT,
(CAP. 188)

REGULATIONS

(Made under section 70)

THE ATOMIC ENERGY (PROTECTION FROM IONIZING AND NON-IONIZING
RADIATION) (AMENDMENT) REGULATIONS, 2025

Citation

GN. No.
840 of 2023

1. These Regulations may be cited as the Atomic Energy (Protection from Ionizing and Non-Ionizing Radiation) (Amendment) Regulations, 2025 and shall be read as one with the Atomic Energy (Protection from Ionizing and Non-Ionizing Radiation) Regulations, 2023 hereinafter referred to as the “principal Regulations”.

Amendment
of regulation 3

2. The principal Regulations are amended in regulation 3, by-

- (a) adding the words “of the Act” at the end of the definition of the term “Commission”;
- (b) adding in the appropriate alphabetical order the following new definition:

““authorisation” means permission granted through a document by the Commission to a legal person who has submitted an application to carry out a practice or any other action described in the general obligations for practices under this Act and the authorisation can take the form of registration or a licence;”.

Amendment
of regulation 7

3. The principal Regulations are amended in regulation 7(3) by deleting the words “radio frequencies

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(RF) radiation in spectra range 1mm-1000km” appearing in paragraph (d).

Amendment
of regulation 8

4. The principal Regulations are amended in regulation 8 by deleting subregulation (1) and substituting for it the following:

“(1) A person who intends to use, import, export, transport or remove a radiation or nuclear material shall notify the Commission in writing, specifying the following:

- (a) type of material;
- (b) details of the place where the material shall be used;
- (c) a list of qualified professionals who shall operate the plant or use the material; and
- (d) the purpose of using such material.”.

Amendment
of regulation
13

5. The principal Regulations are amended by deleting regulation 13 and substituting for it the following:

“Modificati
on,
suspension
and
revocation
of
authorisatio
n

13.-(1) A licensee or registrant may apply to the Commission in writing for the rectification of any information contained in the licence or certificate of registration.

(2) The Commission shall, on receipt of application under subregulation (1)-

- (a) rectify the defects if satisfied that there are sufficient reasons thereof; or
- (b) refuse to rectify the defects and give reasons for the refusal.

(3) The Commission may suspend or revoke a licence or certificate of registration where the licensee or registrant fails to comply with the

provisions of the Act and regulations made under it.

(4) Where the Commission intends to suspend or revoke a licence or certificate of registration, it shall-

(a) notify the licensee or registrant in writing the reasons for suspension or revocation of the licence or certificate of registration; and

(b) within seven days from the date of notification, afford the licensee or registrant an opportunity to be heard.

(5) Where the Commission is not satisfied with the reasons given by the licensee or registrant under subregulation (4), it shall revoke the licence or certificate of registration.

(6) A licensee or registrant whose licence or certificate of registration has been revoked shall surrender the license or certificate of registration to the Commission.”.

Amendment
of regulations
48

6. The principal Regulations are amended in regulation 48, by-

(a) adding the words “in consistent with delivery of the prescribed dose to the planning target volume within the required tolerances” at the end of subregulation (5); and

(b) adding immediately after subregulation (6) the following:

“(7) The licensee shall ensure availability of sufficient-

(a) qualified nuclear medicine physicians;

(b) qualified nuclear medicine pharmacists; and

(c) qualified medical radiation technologists,
for nuclear medicine departments.

(8) A licensee or registrant shall ensure that local assessments on the basis of the measurements are made at approved intervals for radiological procedures in respect of which diagnostic reference levels have been established.”.

Amendment
of regulation
59

7. The principal Regulations are amended in regulation 59 by adding immediately after subregulation (2) the following:

“(3) A licensee or registrant shall maintain the following personnel records:

- (a) records of any delegation of responsibilities; and
- (b) records of training of personnel in radiation protection.”.

Amendment
of regulation
78

8. The principal Regulations are amended in regulation 78 by adding immediately after subregulation (4) the following:

“(5) A licensee or registrant shall ensure that an operator of predisposal or disposal facility establishes and maintains a mechanism which provides adequate financial resources to discharge its responsibilities.

(6) A licensee or registrant shall ensure-

- (a) the provision of regular inspection, management of the waste and maintenance of the storage facility for their continued integrity; and
- (b) the adequacy of the storage capacity is periodically reviewed, taking into account the predicted waste arising

from normal operation and possible incidents of the expected lifetime of the storage facility and of the availability of disposal options.”.

Amendment
of regulation
79

9. The principal Regulations are amended in regulation 79 by adding immediately after subregulation (6) the following:

“(7) The licensee or registrant shall assess the safety of all facilities planned for or undergoing decommissioning.

(8) The licensee or registrant shall select a decommissioning strategy to form the basis for the planning for decommissioning which is consistent with the national policy and strategy on the management of radioactive waste.”.

Amendment
of regulation
99

10. The principal Regulations are amended in regulation 99(4), by-

(a) adding immediately after paragraph (b) the following:

“ coordination between authorities with
(responsibilities relevant to protection and
c safety for all exposure situation; and”;
)

(b) renaming paragraph (c) as paragraph (d).

Amendment
of Ninth
Schedule

11. The principal Regulations are amended by deleting the Ninth Schedule and substituting for it the following:

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“NINTH SCHEDULE

(Made under regulation 7(3)(d))

The following are radiation generators emitting non-ionizing radiation which are exempted from these Regulations:

(a) Ultraviolet (UV) radiation-

Any device emitting electromagnetic radiation in the spectral region 180 – 400 nm will be exempted from these Regulations provided that the weighted power density emitted (as measure at a distance of 5 cm from an accessible point on the device) does not exceed $3 \times 10^{-8} \text{ W/cm}^2 \cdot A$, where A is weighting factor given in Table 1 below:

Table 1: Weighting Factor A

| Wavelength (nm) | A |
|-----------------|---------|
| 180 | 0.012 |
| 200 | 0.030 |
| 210 | 0.075 |
| 230 | 0.190 |
| 240 | 0.300 |
| 250 | 0.430 |
| 270 | 1.000 |
| 300 | 0.300 |
| 305 | 0.060 |
| 313 | 0.006 |
| 315 | 0.003 |
| 325 | 0.005 |
| 350 | 0.002 |
| 400 | 0.00003 |

Notes to use of Table 1:

- (i) Use linear interpolation for wavelength of intermediate values.
- (ii) For devices emitting at more than one wavelength, the weighted contributions from each wavelength should be summed up.
- (iii) Alternatively, measurements can be conducted by instruments with a spectral response which is tailored in accordance with the weighting factors of Table 1.

(b) Infrared radiation (IR):

Any devices emitting in a spectra range 780 nm - 1 mm, with a power density lower than 10 mW/cm^2 as measured at a distance of 5 centimetres from any accessible point on the device.

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(c) Radiofrequency (RF):

Any device whose operation creates or may create electromagnetic radiation, in the Radio Frequencies range between 100 Kilohertz and 300 Gigahertz, provided that the radiation source has a power which does not exceed 0.1 Watt, including: remote control device for operating a car alarm.”.

Dodoma,
23rd December, 2024

ADOLF F. MKENDA,
*Minister for Education,
Science and Technology*