

**REGULATION
ON
PROTECTION OF OUTSIDE WORKERS FROM RISKS OF IONIZING RADIATION IN
CONTROLLED AREAS**

(Unofficial Translation)

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**CHAPTER ONE
Objective, Scope, Legal Basis and Definitions**

Objective

Article 1 – (1) The objective of this Regulation is to lay down working conditions in order to provide protection against ionizing radiation for outside workers performing nuclear and ionizing radiation activities in controlled areas.

Scope

Article 2 – (1) This regulation applies to protection against ionizing radiation of outside workers performing activities in controlled areas.

Legal Basis

Article 3 – (1) This Regulation has been issued;
a) pursuant to paragraph (d) of article 4 of Turkish Atomic Energy Authority Law No. 2690 and dated 9/7/1982,
b) and in parallel with European Union Council Directive 90/641/EURATOM of 4/12/1990 on the operational protection of outside workers exposed to the risk of ionizing radiation during their activities in controlled areas.

Definitions

Article 4 – (1) In the context of this regulation the following definitions shall apply;
a) Category A: is a worker who is liable to receive an effective dose greater than 6 mSv per year or an equivalent dose greater than 3/10 of the dose limits for the lens of the eye, skin and extremities prescribed in Radiation Safety Regulation
a) Category A worker: is a worker who has a probability of exposure; more than 6 mSv of effective dose; or more than 3/10 of equivalent dose to the eye lenses, skin, hands and feet in a year,
b) Radiation Passbook: is a report card on which an outside worker's absorbed personal dose data is filled in upon completion of each task,
c) Outside worker: is a worker of category A, other than authorized person and his staff, who performs activities of any sort in a controlled area, whether employed temporarily or permanently by an outside undertaking,
d) Controlled area: is an area to which access is controlled and subject to special rules for the purpose of protection against ionizing radiation or of preventing the spread of radioactive contamination,
e) Authority: is Turkish Atomic Energy Authority, established by the Turkish Atomic Energy Authority Act-No. 2690 and dated 9.7.1982,
f) Central Dose Recording System: is a database in which personal dose records of Category A workers are stored,

g) Authorized Person: is a real or legal person, authorized by the Authority through licensing or issuance of permission, in order to execute an activity concerning nuclear energy or ionizing radiation;

h) Outside Undertaking: is a real or legal person or the person's employee as subcontractor, other than authorized person and his staff, who performs activities in the controlled area.

CHAPTER TWO

Responsibilities

Responsibilities of authorized person and outside undertaking

Articles 5 – (1) To establish and maintain radiation protection of outside workers, authorized person and outside undertaking have a written agreement which ensures that;

- a) radiation protection principles and dose limits are complied with,
- b) workers are medically fit for the activities to be assigned to them and their medical surveillance is carried out in the course of working,
- c) basic training on radiation protection as well as specific training in connection with the characteristics of both the controlled area and the activities have been provided,
- d) each outside worker is issued with necessary personal protective equipment,
- e) monitoring of personal doses of outside workers and, if needed, provision of additional dosimetric monitoring are in practice, and,
- f) upon completion of activities in the controlled area, each outside worker's personal doses are recorded into radiation passbook-and this data is transferred to central dose registry system.

Outside worker's obligations

Article 6 – (1) Outside workers obtain their radiation passbook.

(2) Outside workers carry out their obligations within the frame of the written agreement between contractor and authorized person, make sure that their recorded personal dose data is accurate and up-to-date, keep their dose tracking papers for next tasks to show when asked,

(3) When abroad, after completion of an engagement in radiation work, outside workers get their dose data registered into dose tracking paper by the employer and approved by the dosimetry service abroad and finally get it registered to domestic central dose registry system on their return.

CHAPTER THREE

Final Provisions

Enforcement

Article 7 – (1) This regulation enters into force on the date of its publication.

Execution

Article 8 – (1) Provisions of this regulation is executed by the President of the Authority.