

RADIATION SAFETY DIRECTORATE

Pursuant to Article 26-e, paragraph 1, item 1 of the Law on Ionising Radiation Protection and Radiation Safety (Official Gazette of the Republic of Macedonia No. 48/02 and 135/07), the Director of the Radiation Safety Directorate hereby adopts a

RULEBOOK ON THE CRITERIA REGARDING THE SPATIAL CONDITIONS, FACILITIES, TECHNICAL EQUIPMENT AND QUALIFIED STAFF OF AUTHORISED EXPERT TECHNICAL SERVICES AND LEGAL ENTITIES RESPONSIBLE FOR DECONTAMINATION, AS WELL AS ON THE FORM AND CONTENT OF THE LICENCE AND THE LICENCE APPLICATION FORM (*)

I. General provisions

Article 1

This Rulebook shall prescribe the criteria regarding the spatial conditions, facilities, technical equipment and qualified staff of authorised expert technical services and legal entities responsible for decontamination, as well as on the form and content of the licence and the licence application form.

Article 2

Certain terms used in this Rulebook shall have the following meaning:

1) **Measurement indeterminateness** shall be the value obtained by determining all sources of errors included in the measurement method by calculating the mean squared error (standard deviation) and multiplying the combined indeterminateness obtained with a coverage factor;

2) **Level of certainty** of 95% shall mean that there is a probability of 95% of the measurement result deviating from the real value by not more than the estimated measurement indeterminateness. In this Rulebook, measurement indeterminateness shall refer to relative measurement indeterminateness;

3) **Relative measurement error (I)** shall be the error which is calculated with the following formula:

$$I = \frac{M - M_t}{M_t} \cdot 100\%$$

where M is the result of the measurement and M_t is the true value of the measured quantity; and

4) **Natural (internal) error** shall be the error determined in reference conditions. When the performances of the instruments for detecting ionising radiation are

* This Rulebook is being aligned with Council Directive 96/29/Euratom of 13 May 1996 laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation (CELEX number 31996L0029).

examined within the metrological standards, the absolute value of the instrument's error shall be given in its upper limit in reference conditions, i.e. the value of the radiation energy is within the standard and in the recorded ambient conditions. The upper limits shall be individually provided for instrument errors in cases where other factors affecting the measurement result (e.g. radiation energy, direction of input radiation and ambient temperature) exhibit specific values.

II. Criteria regarding the spatial conditions, facilities, technical equipment and qualified staff of authorised expert technical services

1. Authorised expert technical service for dosimetric measurements and monitoring of the working environment

Article 3

Authorised expert technical service for workplace dosimetric measurements and monitoring shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences, qualified to perform workplace dosimetric measurements and monitoring and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety, as well as to perform workplace dosimetric measurements and monitoring, and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for laboratory equipment necessary to perform the activity;

c) The appropriate calibrated instruments, devices and equipment for workplace dosimetric measurements and monitoring (e.g. detectors for measuring the ambient dose equivalent, low-energy gamma and X-ray radiation; a portable contamination monitor with a set of drills for alpha, beta, low-energy gamma and gamma radiation; personal alert dosimeters; a set of verified etalons for radioactive sources for all instruments, etc.).

Article 4

When using the equipment referred to in Article 3, item c of this Rulebook, the dose measurement indeterminateness (ambient dose equivalent or directional dose equivalent) of the radiation dose rate or the activity per unit area of the workplace or

in the immediate vicinity of the workplace shall not exceed 60%.

The natural (internal) error of the detectors shall not exceed 20% when measuring the ambient dose equivalent or the directional dose equivalent. The relative error of the detector when measuring the ambient dose equivalent shall not exceed 40% at energy photon intervals of 20-150 keV or 80 keV-1,5 MeV.

The natural (internal) error of personal alert dosimeters shall not exceed 30%.

2. Authorised expert technical service for measuring the level of external exposure of occupationally exposed persons

Article 5

Authorised expert technical services for measuring the level of external exposure of occupationally exposed persons shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to perform workplace dosimetric measurements and monitoring and having a work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety, as well as to perform workplace dosimetric measurements and monitoring, and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for dosimeter readings and keeping records of occupationally exposed persons, the receipt, preparation, packing and sending of dosimeters; and

c) The appropriate calibrated instruments, devices and equipment for measuring the level of external exposure of occupationally exposed persons (e.g. personal gamma and neutron radiation dosimeters for the whole body and for the extremities; a personal dosimeter reader with an option to establish and maintain a database for the exposure levels of occupationally exposed persons; a radioactive source for dosimeter calibration, etc.)..

Article 6

When testing the equipment referred to in Article 5, item c of this Rulebook, the measurement result of the monitoring of the external exposure of occupationally exposed persons shall not deviate from the true value by more than 33% or less than

50% for personal dose equivalent Hp(d) photons, the true value being determined with a level of certainty of 95%, in cases where the measurement result corresponds to doses approximating the annual dose limit.

The deviation referred to in paragraph 1 of this Article may exceed the values in the case of electron and neutron radiation with unknown energy.

The greatest permitted relative deviation of the measurement results for different doses shall be determined as follows:

$$\frac{2}{3} \cdot \left(1 - \frac{2H_0}{H_0 + H_t} \right) \leq R \leq \frac{3}{2} \cdot \left(1 + \frac{H_0}{2H_0 + H_t} \right),$$

where H_0 is the registration limit and R is the dosimeter response, i.e. the ratio between dose H_m dosimeter-determined, and the true value of dose H_t .

The calculated measurement indeterminateness of the dosimetric system shall not exceed 42%.

3. Authorised expert technical service for measuring the level of internal exposure of occupationally exposed persons in biological material samples

Article 7

Authorised expert technical services for measuring the level of internal exposure of occupationally exposed persons in biological material samples shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to perform dosimetric measurements and monitoring of the level of internal exposure and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety, as well as to perform dosimetric measurements of the level of internal exposure, and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for sample preparation, determining the content of isotopes and measuring the activity of alpha, beta and gamma emitters (low-phonic laboratory); and

c) The appropriate calibrated instruments, devices and equipment for measuring the

level of internal exposure of occupationally exposed persons in biological material samples (e.g. a liquid scintillation meter for measuring the activity of low-energy beta emitters; a semi-conductor gamma spectrometer for measuring the activity of gamma emitters in samples; alpha-beta meters and alpha spectrometers; equipment and instruments for expressing results and assessing doses; equipment and tools for taking and preparing samples; radioactive sources for calibration, etc.).

4. Authorised expert technical service for measuring the total activity of radionuclides in the entire body or in individual organs of occupationally exposed persons

Article 8

Authorised expert technical services for measuring the total activity of radionuclides in the entire body or in individual organs of occupationally exposed persons shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to perform dosimetric measurements of the total activity of radionuclides in the entire body or in individual organs and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety, as well as to perform dosimetric measurements of the total activity of radionuclides in the entire body or in individual organs, and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for performing measurements, in which the ambient dose equivalent rate is smaller than the natural rate in open areas (low-phonic laboratory); and

c) The appropriate calibrated instruments, devices and equipment for measuring the total activity of radionuclides in the entire body or in individual organs (e.g. meter for the activity of the entire body with computer data processing and the appropriate calibration phantoms, etc.).

5. Authorised expert technical service for biodosimetric measurements of individual exposure to ionising radiation

Article 9

Authorised expert technical services for biodosimetric measurements of individual

exposure to ionising radiation shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the biological or the medical sciences, qualified to perform biodosimetric measurements of individual exposure to ionising radiation;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety, as well as to perform biodosimetric measurements of individual exposure to ionising radiation, and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in medicine;

b) The appropriate facilities and premises for taking blood samples, preparation of the samples and the nutritional media for cultivation of lymphocytes and analysis of chromosome aberrations, result readings and record keeping; and

c) The appropriate calibrated instruments, devices and equipment for biodosimetric measurements of individual exposure to ionising radiation (e.g. a microscope, thermostat, sterile chamber, laboratory drier, stirrer, centrifuge, vacuum pump, photographic equipment for developing films and microphotography, etc.).

6. Authorised expert technical service for performing measurements in order to provide quality of equipment and quality control of equipment

Article 10

Authorised expert technical services for performing measurements in order to provide quality of equipment and quality control of equipment shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to provide quality of equipment and quality control of equipment and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety, as well as to provide quality of equipment and quality control of equipment, and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for checking instrument performance, for

storing instruments, for developing films (darkroom), where relevant; and

c) The appropriate calibrated instruments, devices and equipment for performing measurements in order to provide quality of equipment and quality control of equipment, enabling measurement of all parameters in accordance with the regulations on ionising radiation protection and radiation safety.

7. Authorised expert technical service for projecting measures for ionising radiation protection and assessment of radiation safety

Article 11

Authorised expert technical services for projecting measures for ionising radiation protection and assessment of radiation safety shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified for ionising radiation protection and assessment of radiation safety and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety, and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for computer equipment and project documentation; and

c) The appropriate equipment for projecting measures for ionising radiation protection and assessment of radiation safety (e.g. appropriate programmes for protection determination and safety assessment, and computer equipment for calculations and result processing, etc.).

8. Authorised expert technical service for examining the levels of external radiation in air

Article 12

Authorised expert technical services for examining the levels of external radiation in air shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to examine the levels of external exposure in air and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety and to examine the levels of external radiation in air, and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for external gamma radiation dose readings, for dosimeter calibration and an appropriate room for storing calibration sources; and

c) The appropriate instruments, devices and equipment for examining the levels of external radiation in air (e.g. a dosimeter for continuous (on-line) measurement of the air dose rate (from 0,03 $\mu\text{Sv/h}$ to 15 $\mu\text{Sv/h}$) with a resolution of 0,01 $\mu\text{Sv/h}$, a computer for data processing and keeping records thereof, etc.).

9. Authorised expert technical service for gamma-spectrometric examination of the content of radionuclides in environmental samples (air, rivers, lakes, soil, potable water, food), general use products and building materials

Article 13

Authorised expert technical services for gamma-spectrometric examination of the content of radionuclides in environmental samples (air, rivers, lakes, soil, potable water, food), general use products and building materials shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences, qualified to perform gamma-spectrometric examinations of the content of radionuclides in environmental samples (air, rivers, lakes, soil, potable water, food), general use products and building materials, and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety, and to perform gamma-spectrometric examinations of the content of radionuclides in environmental samples (air, rivers, lakes, soil, potable water, food), general use products and building materials, and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for sample preparation, rinsing laboratory utensils, data processing, sample storage, a laboratory with a low level of natural radiation (low-phonics laboratory); and

c) The appropriate instruments, devices and equipment for examining the content of radionuclides in environmental samples (air, rivers, lakes, soil, potable water, food), general use products and building materials (e.g. a gamma spectrometer with a semiconductor detector with computerised processing of results, whose relative result efficiency is minimum 20% and whose resolution is 1,0 keV of energy of 1,33 MeV in low-phonics protection, which must provide a phon decrease to maximum five pulses per second for an energy range from 35 keV to 2000 keV and efficiency of 20%; a scintillating gamma spectrometer with a NaI detector, resolution of 6,8 % and efficiency of 8,7% for Cs-137 with computer data processing; a set of radioactive etalon sources for calibration; sample preparation equipment (e.g. drier, rotating evaporator, furnace, balance with a precision of up to 0,01 mg, mill, grinding machine, evaporation system); standard laboratory utensils; an air sampling system whereby the air flow rate is at least 300 m³ for 1 hour; computers with corresponding softwares, etc.)..

10. Authorised expert technical service for examining the content of tritium (low-energy beta emitters) in environmental samples

Article 14

Authorised expert technical services for examining the content of tritium (low-energy beta emitters) in environmental samples shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to examine the content of tritium (low-energy beta emitters) in environmental samples and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety and to examine the content of tritium (low-energy beta emitters) in environmental samples, and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for sample preparation which meet the requirements for a radiochemical laboratory; for rinsing laboratory utensils; for sample measurement; for sample storage and result processing; and

c) The appropriate instruments, devices and equipment for examining the content of

tritium (low-energy beta emitters) in environmental samples (e.g. equipment for enriching the content of tritium in environmental samples or equipment which does not require enrichment of the content of tritium in the samples; a liquid scintillation meter for a low-energy beta emitter; a set of radioactive etalon sources for calibration; computers with the corresponding software, etc.).

11. Authorised expert technical service for examining the content of radioactive strontium in environmental samples

Article 15

Authorised expert technical services for examining the content of radioactive strontium in environmental samples shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to examine the content of radioactive strontium in environmental samples and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to implement measures for ionising radiation protection and radiation safety and to examine the content of radioactive strontium in environmental samples, and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for sample preparation which meet the requirements for a radiochemical laboratory; for rinsing laboratory utensils; for sample measurement; for sample storage and result processing; and

c) The appropriate instruments, devices and equipment for examining the content of radioactive strontium (low-energy beta emitters) in environmental samples (e.g. a beta spectrometer or a proportional low-phonic meter; standard laboratory equipment for sample preparation (drier, furnace, balance, centrifuge); the appropriate laboratory utensils; an air sampling system whereby the air flow rate is at least 300 m³ for 1 hour; a set of radioactive etalon sources for calibration; computers with corresponding softwares, etc).

12. Authorised expert technical service for examining the content of radon in air

Article 16

Authorised expert technical services for examining the content of radon in air shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to examine the content of radon in air and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to examine the content of radon in air and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for storing passive detectors and equipment, as well as a laboratory for sample preparation and measurement and processing of results; and

c) The appropriate instruments, devices and equipment for examining the content of radon in air (e.g. a microscope reader for trace detectors; active radon measuring equipment; a corresponding calibration system, etc.).

Article 17

The natural (internal) error of the instruments for measuring radon concentration referred to in Article 16, item c shall not exceed 20%. With subsequent repeated measurements of radon concentration exceeding 400 Bq/m^3 , the standard result deviation shall not exceed 10%. The error resulting from external influences, such as humidity, temperature or natural phon dose rate, shall not exceed 10%.

The measurement indeterminateness of radon concentration in air shall not exceed 30%.

13. Authorised expert technical service for examining the level of environmental contamination in case of radiation emergency

Article 18

Authorised expert technical services for examining the level of environmental contamination in case of radiation emergency shall fulfil the criteria referred to in Articles 12, 13 and 15 of this Rulebook, and in addition shall have filters for I-131 samples and an alpha spectrometric system.

14. Authorised expert technical service for calibration of ionising radiation detection meters

Article 19

Authorised expert technical services for calibration of ionising radiation detection meters shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified for calibration of ionising radiation detection meters and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified for calibration of ionising radiation detection meters and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

b) The appropriate facilities and premises for calibration equipped with adequate protection, as well as a completed workplace classification; and

c) The appropriate instruments, devices and equipment for calibration (e.g. a source of ionising radiation for calibration; a detector for dose rate measurement, electrometers, phantoms, camera, computer with an adequate result processing software, etc.).

III. Criteria regarding the spatial conditions, facilities, technical equipment and qualified staff of legal entities responsible for decontamination

Article 20

Legal entities responsible for decontamination shall fulfil the following conditions:

a) Qualified staff:

- at least one person with a university degree in the field of the physical sciences qualified to perform decontamination and having work experience of at least one year in the area of ionising radiation protection and radiation safety;

- at least one person with a university degree in the field of the natural and the mathematical sciences (physics, chemistry, biology, mathematics, information technology), the technological or medical sciences, qualified to perform decontamination and having work experience of at least one year in the area of ionising radiation protection and radiation safety; and

- at least one person with a secondary education degree in the natural and mathematical or the chemical and technological sciences, qualified to implement measures for ionising radiation protection and radiation safety;

b) The appropriate facilities, premises and mobile stations for decontamination and for temporary storage of radioactive waste material obtained from the decontamination performed; an area for human decontamination; and

c) The appropriate instruments, devices and equipment for decontamination (e.g. portable contamination monitors and detectors with a set of drills for alpha, beta and gamma radiation and a radioactive test source; a device for taking air samples equipped with adequate filters and columns, especially for iodine; personal dosimeters, electronic

personal dosimeters; personal protective equipment (cotton clothes, protective cotton overalls, protective cotton cap, short rubber boots, cotton, rubber and plastic (PVC, polyethylene) gloves, plastic material overalls, plastic mass aqualung supplied with compressed air, respiratory equipment, respiratory mask with a set of filters for aerosols and vapours from acids and organic solvents); a portable chest with a cleaning kit (sponges, wadding, cotton towels, filter paper, tweezers, metal brushes made of plastic mass, abrasives, mineral acid solvents, complex agents, trichloroethylene, solid and liquid detergents); light cleaning equipment (light filtered dust absorbent, electrical floor-washing device, cabled electrical junction box, plastic cylinders and canisters); heavy cleaning equipment (high-capacity filtered dust absorbent, electrical floor-washing and drying device, compressors for filling cylinders with air, air compressor for filling pneumatic hammers, pneumatic hammer for destructive decontamination, electricity generator, electrical pump); plates with the appropriate warning inscription, yellow and red adhesive tapes, metal gantries for marking the contaminated area; materials and packaging (PVC or polyethylene foils for covering the contaminated area, adhesive tapes, plastic mass tubes, scissors, welding torch for plastic foils, stoppered metal and plastic barrels for waste materials); a special vehicle for transporting radioactive materials, etc.).

IV. Form and content of the licence and the licence application form

Article 21

The application form for obtaining a licence for an authorised expert technical service and a legal entity responsible for decontamination shall be submitted by using the white form with an A4 format, given in Appendix 1, which is a constituent part of this Rulebook.

Article 22

The form and content of the licence for an authorised expert technical service shall be given in Appendix 2, which is a constituent part of this Rulebook.

Article 23

The form and content of the licence for a legal entity responsible for decontamination shall be given in Appendix 3, which is a constituent part of this Rulebook.

V. Final provision

Article 24

This Rulebook shall enter into force on the eighth day from the date of its publication in the Official Gazette of the Republic of Macedonia.

No. 01-1083/2

16 September 2010

Skopje

Director,

PhD Nuzi Shahin



REPUBLIC OF MACEDONIA

Radiation Safety Directorate



LICENCE APPLICATION FORM

1. Information on the entity submitting the application:

| | | | |
|--|--|---------|--|
| Unique tax number (UTN): | | | |
| Name of the legal entity: | | | |
| Main office of the legal entity: | | | |
| Telephone: | | Fax: | |
| Name and surname of the authorised person: | | E-mail: | |
| Description of the post: | | | |

2. Application form for obtaining a licence for:

| | |
|--|--|
| Authorised expert technical service | Legal entity responsible for decontamination |
| (tick the appropriate activity for which a licence is requested) | |

3. Individuals included in the activity

| Name and surname | Qualifications | Training for performing the activity | Work experience |
|------------------|----------------|--------------------------------------|-----------------|
| | | | |
| | | | |
| | | | |

4. List of instruments, devices and equipment:

(Please attach a list of instruments, devices and equipment for performing the activity, including their specifications, and a description of the procedures and methods for performing the activity)

5. Use location of the instruments, devices and equipment:

a) Name:

b) Address:

c) Plan of the premises where the activity is performed and a project for protection of the facilities and premises where sources of ionising radiation are used, if appropriate.

Date

(Stamp)

Signature



REPUBLIC OF MACEDONIA

Radiation Safety Directorate

Number:

Date:

Validity:

Pursuant to Article 55, paragraph 2 of the Law on the Organisation and Operation of the State Administrative Bodies (Official Gazette of the Republic of Macedonia No. 58/2000) and Article 8 of the Law on Ionising Radiation Protection and Radiation Safety (Official Gazette of the Republic of Macedonia No. 48/2002 and No.135/2007), the Radiation Safety Directorate hereby issues the following

LICENCE

**FOR AN AUTHORISED EXPERT TECHNICAL
SERVICE**

1. Basic information:**Licence holder:**

| | | | | |
|--|--|------|--|---------|
| Unique tax number of the legal entity (UTN): | | | | |
| Name of the legal entity: | | | | |
| Main office of the legal entity: | | | | |
| Telephone: | | Fax: | | E-mail: |
| Authorised person / description of the post: | | | | |

2. Additional information

- **Licence for:**
- **Activity location:**
- **Individuals included in the activity:**
- **Other information relevant for the activity:**

3. Reference to a legal remedy**4. Conditions accompanying the licence**

Stamp

DIRECTOR



REPUBLIC OF MACEDONIA

Radiation Safety Directorate

Number:

Date:

Validity:

Pursuant to Article 55, paragraph 2 of the Law on the Organisation and Operation of the State Administrative Bodies (Official Gazette of the Republic of Macedonia No. 58/2000) and Article 8 of the Law on Ionising Radiation Protection and Radiation Safety (Official Gazette of the Republic of Macedonia No. 48/2002 and No.135/2007), the Radiation Safety Directorate hereby issues the following

LICENCE

FOR PERFORMING DECONTAMINATION**1. Basic information:****Licence holder:**

| | | | | |
|--|--|------|--|---------|
| Unique tax number of the legal entity (UTN): | | | | |
| Name of the legal entity: | | | | |
| Main office of the legal entity: | | | | |
| Telephone: | | Fax: | | E-mail: |
| Authorised person / description of the post: | | | | |

2. Additional information

- **Activity location:**
- **Individuals included in the activity:**
- **Other information relevant for the activity:**

3. Reference to a legal remedy**4. Conditions accompanying the licence**

STAMP

DIRECTOR