

KAZAKHSTAN LEGISLATIVE AND REGULATORY FRAMEWORK FOR RADIOACTIVE SOURCE SECURITY

**Законодательная и регуляторная структура
по физической защите радиоактивных источников
в Республике Казахстан**

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Legislation of the Republic of Kazakhstan

The first level - Decrees of the President of the Republic of Kazakhstan having the force of law, Codes and Laws of the Republic of Kazakhstan.

The second level - the Decrees of the Government of the Republic of Kazakhstan on the atomic energy use and radiation safety.

The third level - the Rules and Regulations specifying the issues of radiation safety while handling the radiation sources, prescribing the allowable radioactive contamination of the environment and exposure of workers and the public, which are approved by the central government authorities.

The fourth level - the standards, guidelines, recommendations for individual industries and enterprises of the industry.

International Conventions and Agreements

Law of Republic of Kazakhstan, dated December 22, 2004, No. 17

“On Accession of the Republic of Kazakhstan to the Convention on the Physical Protection of Nuclear Material”

О присоединении Республики Казахстан к Конвенции о физической защите ядерного материала

Law of Republic of Kazakhstan, dated March 19, 2011, No. 416-IV

“On Ratification of the Amendments to the Convention on the Physical Protection of Nuclear Material”

О ратификации Поправки к Конвенции о физической защите ядерного материала

Main Laws of the Republic of Kazakhstan

Law of the Republic of Kazakhstan № 442-V "On Atomic Energy Use";
dated on January 12, 2016, amended by Law RK № 12-VII on 25.02.2021.

Law of the Republic of Kazakhstan № 219 "On Radiation Safety of
Population"
dated on April 23, 1998, amended by Law RK № 12-VII on 25.02.2021.

Law of the Republic of Kazakhstan # 202-V "On Permissions and
Notification" dated on May 16, 2014, amended on 30.04.2021
replaced the Law of the Republic of Kazakhstan "On Licensing"

Environmental Code of the Republic of Kazakhstan;
Code of the Republic of Kazakhstan on January 2, 2021 (№ 400-VI).

Regulations of state authority **“Committee of Atomic and Energy Supervision and Control of Ministry of Energy of the Republic of Kazakhstan”**

Order of ME RK № 42 dated on October 7, 2014, amended on 25.03.2021.

State authority **“Committee of Atomic and Energy Supervision and Control of Ministry of Energy of the Republic of Kazakhstan”** is a agency of Ministry of Energy of the Republic of Kazakhstan, which realizes the regulation in the field of atomic energy use and electric energy.

13. CAESC ME RK Goals

1) realization of state policy in the field of electric energy and atomic energy use

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14. CAESC ME RK Functions

7) licensing within its competence

21) proposals on improvement of RK legislation in the field of atomic energy use

26) state control and supervision in the field of atomic energy use

55) Development and approval of regulatory technical documents in the field of atomic energy use;

76) Determination of the activities related to management of ionizing radiation sources (IRS), which are subject to licensing;

77) Development and approval of the regulations for radiation safety, physical protection and emergency planning, accounting and control of nuclear materials and IRS...

14. CAESC ME RK Functions

...

79) development of the regulations for physical protection of IRS and storage facilities

...

84) development of the regulations for state accounting of IRS;
85) development of the safety regulations while handling radionuclide sources;

...

88) development of the regulations for transportation of radioactive substances and radioactive wastes;

...

91) development of the regulations for advanced training of personnel employed at nuclear facilities;

92) development of the regulations for attestation of personnel employed at nuclear facilities;

...

LRK № 442-V "On Atomic Energy Use"

Article 16. Transportation of nuclear materials, radioactive substances and radioactive waste

1. Transportation of nuclear materials, radioactive substances and radioactive waste is carried out in accordance with the legislation of the Republic of Kazakhstan and international treaties ratified by the Republic of Kazakhstan. 2. Transportation of nuclear materials, radioactive substances and radioactive waste includes all operations and conditions that are associated with the manufacture and maintenance of transport packagings, as well as with the preparation, loading, dispatch, transportation, including transit storage, unloading and acceptance at the final destination of goods . 3. The consignor, carrier and consignee are obliged to ensure compliance with the requirements of nuclear, radiation and nuclear physical safety, as well as the creation of the necessary conditions for the safe performance of transportation in accordance with the legislation of the Republic of Kazakhstan. 4. Transportation of nuclear materials, radioactive substances and radioactive waste is carried out in the presence of a license for the relevant type of activity in the field of the use of atomic energy. 5. Transportation of nuclear materials, radioactive substances and radioactive waste is carried out in transport packaging sets, the design of which is approved by the authorized body indicating the code and type of packaging of nuclear materials, radioactive substances and radioactive waste permitted for transportation, transportation conditions, number and date of registration, their period actions.

Regulatory legislation.

Nuclear Physical Security

Regulation for physical protection of nuclear materials and nuclear facilities

Order of the Minister of Energy of the Republic of Kazakhstan dated February 8, 2016 No. 40, amended 29.07.2021. Registered with the Ministry of Justice of the Republic of Kazakhstan on March 16, 2016 No. 13498.

Regulation for physical protection of ionizing radiation sources and storage facilities

Order of the Minister of Energy of the Republic of Kazakhstan dated February 9, 2016 No. 52. Registered with the Ministry of Justice of the Republic of Kazakhstan on March 15, 2016 No. 13455

Regulatory legislation.

Nuclear Security during Transportation

- **Rules for the Transportation of Radioactive Substances and Radioactive Waste** No. 75 of February 22, 2016;
- **Rules for the Transportation of Nuclear Materials** No. 76 of February 22, 2016;
- **Rules for approving the designs of transport packaging** sets No. 51 dated February 9, 2016;
- Rules for the transportation of dangerous goods by road and the list of dangerous goods allowed for transportation by vehicles on the territory of the Republic of Kazakhstan No. 460 dated April 17, 2015
- GN "Sanitary and epidemiological requirements for ensuring radiation safety" No. 155 dated February 27, 2015
- SP "Sanitary and epidemiological requirements for ensuring radiation safety" No. 261 dated March 27, 2015

Transportation of Radioactive Substances and Radioactive Waste

- Production and maintenance of transport packaging sets (Classification of packages; Requirements for transport packaging sets and packages; Testing of transport packaging sets);
- Preparation, loading, shipment of nuclear materials, radioactive substances and radioactive waste (Checking the cargo before transportation; Limits for the values of the transport index, radiation level and radioactive contamination; Marking, labels, danger signs and warning signs);
- Transportation, including transit storage, unloading and acceptance at the final destination of goods;
- Radiation control;
- Ensuring nuclear security - for nuclear materials.

Ensuring Nuclear Security

193. To ensure nuclear security during NM transportation, it is necessary to:

- 1) to limit to the maximum the total time spent by NM in transit;
- 2) to minimize the number of transshipments of cargo from one vehicle to another and the time of storage of cargo in anticipation of the vehicle;
- 3) provide notification of the consignee about the dispatch of the cargo and the consignor about the receipt of the cargo;
- 4) choose a route outside areas of emergency, natural disaster, other extreme situations;
- 5) limit as much as possible the circle of officials who are aware of the route and terms of NM transportation;
- 6) provide admission to the transportation, escort and protection of nuclear materials from among those who have previously passed the admission check.

Methodical Recommendations. Examples

Accounting, Control and physical protection of nuclear materials and nuclear facilities. Terminological Glossary (2005)

Methodical Recommendations for Development of Physical Security Plan of IRS and their Storage facilities (2018)

Methodical Recommendations for Physical Security of Radioactive Sources during transportation (draft, 2020)

CAESC ME RK official web-site

<https://www.gov.kz/memleket/entities/kaenk?lang=en>



Home / Committee of atomic and energy supervision and control / Documents

Documents

Keywords

Documents: 288

ADILET – legal information system



Legal information system
of Regulatory Legal Acts
of the Republic of Kazakhstan

Ministry of Justice
of the Republic of
Kazakhstan
Institute of legislation
and legal information



<https://adilet.zan.kz/rus>
<https://adilet.zan.kz/kaz>
<https://adilet.zan.kz/eng>

Database status

Total documents: 306422

In Kazakh: 152305

In Russian: 152362

In English: 1755

Update date: 05/25/2021

Documents as of: 05/21/2021

JURIST. PARAGRAPH – information system

<https://prg.kz/>

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- Определены операторы по целевому

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- С. Шапкенов проинформировал о хо
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- Когда казахстанцам разрешат ездить по Bus lane

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603

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Thank you!