

Sustaining effective physical protection regime

Russian Federation is a party to the Convention on Physical Protection of Nuclear Material and Nuclear Facilities (including the Amendment to the Convention). In the Russian Federation, appropriate physical protection regime is established and maintained being based on fundamental principles stipulated in the Amendment. The State Corporation ROSATOM is a competent authority in terms of international transport of nuclear material on the territory of the Russian Federation.

According to the State Corporation ROSATOM, key areas of international cooperation include:

- improvement of the quality of training in the field of physical protection;
- assistance in the development of nuclear infrastructure to newcomer countries, including the field of nuclear security and physical protection;
- provision to foreign partners of integrated proposal of nuclear facility construction including physical protection system.

The State Corporation ROSATOM has many years of experience in the capacity building and training in the field of nuclear security and physical protection. Rosatom Technical Academy extensively cooperate with the IAEA on capacity development in the field of nuclear security and assistance to newcomer countries in terms of training courses and workshops. Training programmes and training materials are based on a systematic approach to training, requirements of the Convention on the Physical Protection of Nuclear Material and its Amendment, the IAEA recommendations in the field of nuclear security and Russian extensive experience in the field. Each year, the Rosatom Technical Academy hosts several IAEA international and regional courses and seminars; in total, more than 1,100 participants from 54 countries were trained.

As a responsible vendor of nuclear technologies for newcomer countries, the State Corporation ROSATOM has experts who provide organizational and methodological support in the development of all 19 elements of nuclear infrastructure in these countries, including the field of nuclear security and physical protection. The State Corporation ROSATOM has necessary experience and methodological approach in order to provide assistance to newcomer countries with assessment of the current physical protection regime, as well as development of the required legal framework, personnel training and conducting other actions which are crucial for establishment and maintaining of physical protection regime.

The State Corporation ROSATOM has distinctive experience and resources for physical protection system development for nuclear facilities. In the Russian Federation, approach to development of physical protection system for nuclear facility is elaborated and applied; the approach is based on the IAEA recommendations in the field of nuclear security and takes into consideration Russian extensive experience in the field. Foreign partners can choose various options of physical protection system as a feature to the integrated proposal of nuclear power plant or centers of nuclear science and technology construction. In the process of physical protection system development, national requirements and the IAEA recommendations are taken into consideration. Russian proposal for physical protection system development consists of two parts: technical (engineering and technical physical protection equipment complex) and documental part (documents required for physical protection system functioning in the facility).

The State Corporation ROSATOM has unique experience in development of physical protection system for small modular reactors.

State

Russian Federation

Gender

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Track Classification: PP: Security by design, including in newcomer countries