

**FEDERAL ENVIRONMENTAL, INDUSTRIAL AND NUCLEAR
SUPERVISION SERVICE OF RUSSIA
(ROSTECHNADZOR)**



**Experience of Rostekhnadzor
in Assisting the Development
of Regulatory Infrastructure**

Vienna, September 23, 2014



Assistance of the Russian Federation to its counterparts in developing their national nuclear energy infrastructures

- Comprehensive approach (19 elements as per the IAEA Milestones in the Development of National Infrastructure for Nuclear Power)**
- Agreement between Rostekhnadzor and State Atomic Energy Corporation “Rosatom” on cooperation in assistance activities related to development of national nuclear power infrastructure in the countries that decided to construct Russian designs (October 3, 2012)**

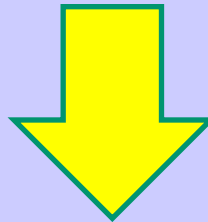


Legal Framework for Cooperation between Regulatory Bodies:

**INTERGOVERNMENTAL
AGREEMENT ON COOPERATION
IN THE FIELD OF PEACEFUL USE
OF ATOMIC ENERGY**

and

**INTERGOVERNMENTAL
AGREEMENT ON COOPERATION
FOR CONSTRUCTION OF NUCLEAR
POWER PLANT**



***INTER-AGENCY AGREEMENT BETWEEN
REGULATORY BODIES ON COOPERATION IN
THE FIELD OF NUCLEAR AND RADIATION
SAFETY REGULATION***



Cooperation agreements with regulators of new-comer countries

- Turkish Atomic Energy Authority (June 2010);
- Vietnam Agency for Radiation and Nuclear Safety (October 2010);
- Ministry of Science and Technology of Bangladesh (Bangladesh Atomic Energy Regulatory Board subordinated to the Ministry) (February 2012);
- Gosatomnadzor of Belarus (December 2013)



Areas of cooperation:

- Development of legal and regulatory framework;
- Licensing procedures and review of licensees' documents (experience exchange and consultancy during NPP siting, construction, commissioning and operation);
- Inspection practices;
- Training



IAEA recommendations taken into account:

- IAEA Safety Series SSG-16 (Establishing the Safety Infrastructure for a Nuclear Power Programme);**
- Recommendations on capacity building for safe, secure and sustainable nuclear power programmes**



Recent and prospective activities on training

2012 – development of comprehensive modular training program for personnel of regulatory bodies of new comer countries (402 academic hours + possibility of up to 1158 additional academic hours if needed);

2014-2015 – finalizing the process of setting up Rostekhnadzor regional training center at one of the territorial departments, where NPPs are under construction and in operation



Existing training programs:

- **Comprehensive modular training program (mentioned before);**
- **Set of basic lectures related to full range of regulatory body competence (except inspection practices);**
- **Training program on fundamentals and practice of NPP construction and activities of regulatory body during NPP construction;**
- **Training program for inspectors of regulatory body, supervision of NPP operation**



**Capabilities for arranging training of foreign regulatory bodies’
personnel (new-comer countries)**

- Federal State Unitary Enterprise VO “Safety” (Training Center for Refresher Training in Nuclear and Radiation Safety);**
- Federal Budgetary Institution “Scientific and Engineering Center for Nuclear and Radiation Safety” (SEC NRS)**

(Depends on specific topics or modules of training programmes)



International Cooperation of Rostekhnadzor

- IAEA, including Regulatory Cooperation Forum;
- OECD/NEA, including Multinational Design Evaluation Programme (MDEP);
- VVER Regulators Forum;
- WENRA;
- Bilateral cooperation with nuclear and radiation safety regulatory bodies of Armenia, Bangladesh, Belarus, Bulgaria, Canada, China, the Czech Republic, Finland, France, Germany, Hungary, India, Iran, Kazakhstan, Norway, the Slovak Republic, Spain, Sweden, Turkey, Ukraine, the USA, Vietnam



Example of cooperation of Rostechnadzor with Vietnam Agency for Radiation and Nuclear Safety (VARANS)

October 31, 2010 – bilateral inter-agency Agreement signed
(Strong cooperation in experience exchange, consultancy in developing
regulatory documents, etc., including training)



Meeting between the management of
Rostechnadzor and VARANS
(August 18, 2014,
Chairman of Rostechnadzor Alexey ALESHIN and
Director General of VARANS VUONG Huu Tan)



Workshop on Experience Exchange Related to
Safety Review in the Process of Licensing the
Activities during NPP Siting and Construction
(Hanoi, September 9-10, 2014)

**THANK YOU FOR
YOUR ATTENTION!**