



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

*REGULATORY PERSPECTIVE
ON WORKING WITH NEW EMBARKING COUNTRIES*

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**International Co-operation:
Past, Present and Future**

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Outline

- Some IAEA tools and mechanisms aimed at assisting the embarking countries, MDEP can input to
- Current Rostechнадзор co-operation with the embarking countries
- How MDEP may enhance the existing assistance projects and programs



Some IAEA tools and mechanisms aimed at assisting the embarking countries, MDEP can input to

- Training activities, including different international schools (IS on Nuclear and Radiological Leadership for Safety, IS for Drafting regulations, IS of Nuclear Energy Management, etc.)
- Global (RegNet as a part of GNSSN) and regional networks of the regulatory bodies (ANNuR, FNRBA, ANSN, EuCAS), as well as educational networks

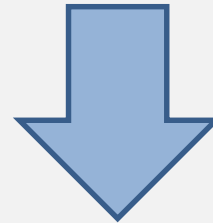


Basis for current Rostechнадzor co-operation with the embarking countries

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

and/
or

INTERGOVERNMENTAL
AGREEMENT ON COOPERATION
IN CONSTRUCTION OF A NUCLEAR
FACILITY



*AGREEMENT ON COOPERATION OR MoU
BETWEEN REGULATORY BODIES*



Information taken into account while developing bilateral cooperation programs

- Requests from the foreign regulator
- Information on current status of nuclear power program in a country
- Results of the IAEA Missions (INIR, IRRS)
- Cooperation activities of a country with the IAEA (TC Program), other foreign regulators (for example, coordination within Regulatory Cooperation Forum)



Areas of assistance

- Development of legal and regulatory documents
 - Analysis of existing legal and regulatory framework
 - Making proposals for improvement (list and priority ranking of the documents to be developed)
 - Support in development of the regulations or reviewing the draft regulations developed by a national regulator
 - Methodological support
- Licensing activity, including review of licensees' documents
- Inspections
- Training and consulting of regulatory body personnel



Methodological Support

- Development of concepts of legal or regulatory documents (based on the IAEA recommendations, best international and Russian experience): laws, regulations, guides and internal administrative documents of the regulatory body
- Development of recommendations for a composition of obligatory requirements which may be taken into account in development of national regulations (based on the IAEA recommendations, best international and Russian experience)



Mechanisms

- Workshops
- Technical visits (including the IAEA TC Programme)
- Topical technical meetings
- Distant format of support (video, telephone, e-mail, etc.)
- Training activities
- Joint inspections
- External technical support services rendered by Rostechnadzor' TSOs



Training activities (1/3)

Comprehensive modular training program «Safety Regulation in the Use of Atomic Energy»

Module 1. Global Nuclear Safety Regime. International Approaches and Practice Nuclear Safety Regulation

Module 2. State Regulatory System of the Russian Federation

Module 3. Technical Features of an NPP with WWER-type Reactor

Module 4. Safety Regulation within the Whole NPP Life-cycle



Training activities (2/3)

Module 5. Safety Regulation of other Nuclear Facilities (e.g. Research Installations; Radiation Sources; Nuclear Fuel Cycle Facilities)

Module 6. Regulation of Individual Types of Activities (Accounting, Control and Physical Protection; Radioactive Waste Management; Nuclear Fuel Management)

Module 7. Safety Assessment of Nuclear Installation

Module 8. Technical visits



Training activities (3/3)

Experience exchange and training for the inspectors

1. Training programs for inspectors on regulatory activities during NPP construction and operation (including on-job training at one of Russian NPPs)
2. Technical visits of the foreign specialists to Interregional Offices of Rostechнадzor
3. Participation as observers in the inspections of Rostechнадzor (including comprehensive inspections)
4. Expert support from Rostechнадzor' inspectors on NPP construction sites abroad



Possible MDEP input to the existing framework for co-operation with the embarking countries

- *Multilateral*: intervene to the IAEA ISs programs providing lectures on possible use of MDEP products with regard to issues being a subject of the specific IS; do the same for the Regional Networks activities upon request of their members
- *National* (Rostechнадзор as an example): use MDEP Common Positions while consulting on safety review and development of draft regulations, revise Modular Program to reflect key MDEP features useful for embarking countries



Thank you for attention!