EMERGENCY RESPONSE SYSTEM FOR TRANSPORT OF RADIOACTIVE MATERIAL IN THE RUSSIAN FEDERATION

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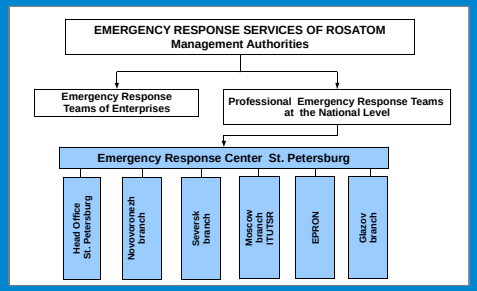
ABSTRACT

Regulating system and requirements in the field of radioactive materials transportation provides the very high safety level in the Russia and other states. Probability and real cases of incidents and accidents at such shipments are very small. Nevertheless taking into account the possible serious consequences of accident including social ones the special system of constant readiness for emergency response at RM shipments has been developed and functions in Russia. The system is under the authority of the State Atomic Energy Corporation "ROSATOM" (Russian state competent authority for the safe transport of radioactive material) and is the branch subsystem of the general state emergency response system for all emergency situations of technological and nature characters in the Russia.

The paper presents information concerning the history of the system development, legislative and other normative legal acts in the field of atomic energy from one side and in the general emergency response field from the other side that regulate activity of the system. The main provisions, organization structure and components of the system, interactions and communications in the frame of general state emergency response system are considered as well.

The number of training and exercises including international ones where the system has been involved are described as well as the experience of emergency actions at real accident cases during radioactive material transportation. The matters of future development of the system and interaction and communication with the international emergency response systems in the atomic field, interactions in the frame of collaboration with IAEA, including RANET system, are considered in the paper as well.

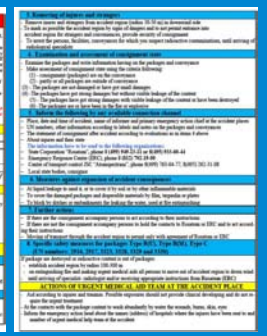
EMERGENCY RESPONSE FACILITY OF STATE ATOMIC ENERGY CORPORATION ROSATOM



EMERGENCY RESPONSE EQUIPMENTS

PERSONAL PROTECTIVE EQUIPMENTS

PRIMARY ACTIONS at accident with radioactive materials on road,rail, air and water transport



AREAS OF RESPONSIBILITY

EMERGENCY TRANSPORT

RADIATION SURVEY AND COMMUNICATION EQUIPMENT

TRACKING SYSYTEM FOR NUCLEAR MATERIALS IN RUSSIAN FEDERATION