

Roles and Responsibilities in Emergency Preparedness and Response

IAEA-KINS Workshop on the Emergency Preparedness and Response to Nuclear and Radiological Emergencies

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National Coordinator for Preparedness

- A coordinating mechanism should be established at national level
- Appointed by the Government
- Responsible to coordinate the preparedness activities at national level



Image courtesy IAEA

National Coordinating Mechanism

Responsible to:

- Ensure that roles and responsibilities are clearly specified and understood
- Coordinate the hazard assessment
- Coordinate and ensure consistency among emergency arrangements of all response organizations
- Ensure consistency among requirements for emergency arrangements, contingency plans and security plans of operating organizations
- Ensure that appropriate training and exercise programmes are in place, coordinated and evaluated
- Coordinate communication with the public at the planning stage

National Coordinating Mechanism

- Subsequent to an emergency:
 - Coordinate analysis of the emergency
 - Analysis of emergency response
- One single national authority
 - e.g. Disaster management organization
 - An inter-agency mechanism composed by national authorities

Discussion



Who in your country plays the role of National Coordinating Mechanism / Authority?

National and Regional Officials

- Governmental authorities responsible for planning and response at national (or regional) level
- Usually perform tasks that do not need to be implemented urgently in order to be effective, such as:
 - longer term protective actions
 - support of local officials in the event that their capabilities are exceeded

Local Officials

- Governmental authorities and support agencies responsible for:
 - Immediate support to the operator and
 - Prompt protection of the public in the vicinity
- Include:
 - Civil emergency services
 - Police
 - Fire fighting and
 - Medical personnel
- It may include officials from different States, if the facility is near the border (EPC V)

Local and National Officials

- **Establish and maintain** arrangements for preparedness and response
- **Demonstrate effectiveness** of emergency arrangements
- **Coordinate** the off-site response with the on-site response, ensure **harmonization** of response within the national system

Legislative Framework on EPR

- Should be established at national level for
 - Effectively governing the preparedness and
 - Response at all levels
- Roles and responsibilities in preparedness and response should be clearly defined:
 - Decision making
 - Implementation of early and urgent protective actions
 - Implementation of long term protective actions
 - Warning the public in the affected areas, and
 - Keeping the public informed

Infrastructure for EPR

- All response organizations must have the capabilities for adequate response
 - Human
 - Financial
 - Other resources
- Meet the infrastructure requirements that apply to their assigned roles

Dual Role of the Regulatory Body

- As REGULATOR
 - To regulate, authorize and control facilities and activities in the nuclear field
- As RESPONSE ORGANIZATION
 - To provide advice and expert services on EPR at national level
 - To coordinate with the National Coordinating Mechanism

Regulatory Body as Regulator

- Establish regulations
 - EPR requirements for operating organizations
- Authorize
 - Establish an authorization system
 - Provide reasonable assurance for adequate EPR arrangements
- Verify
 - Establish an inspection system
 - Check the compliance of EPR arrangements for all licensees
 - Systematic evaluation of on-site exercises

Regulatory Framework on EPR

Establishing Regulations

- The Regulatory Body
 - Develops regulations with requirements for operating organizations
 - The Regulatory Body's mandate is usually limited to licensees
- Other authorities (under National Coordinating Mechanism)
 - Usually set and maintain requirements for the national emergency response
 - Regulatory Body supports the development of the national emergency response framework

Regulatory Body as Response Organization



- **Preparedness**
 - Provide support to and coordinate with other competent authorities
- **Response**
 - Advise the government and competent authorities
 - Provide expert services
 - As stipulated in the national emergency response framework
 - This role may vary within the Member States
- Off-site notification point
- Consequence assessment
- Technical advice on:
 - Facility status, evolution and prognosis
 - Protective actions for workers and public

Regulatory Body as Response Organization (cont.)

- Public information
- Radiation monitoring
- On-scene response (EPC IV)
- Again, the response role varies within the Member States

Discussion



Is there more than one Regulatory Body in your country with responsibilities for safety within the regulatory framework for safety?

If yes, how do they co-ordinate their roles in EPR?

The Operating Organizations

- Establish and maintain arrangements
 - On-site preparedness and response for facilities or activities under their responsibility
- Demonstrate that emergency arrangements are in place for
 - An effective response on the site
- Coordinate and integrate the on-site arrangements
 - With those existing at local and national level

Coordination Within the National System



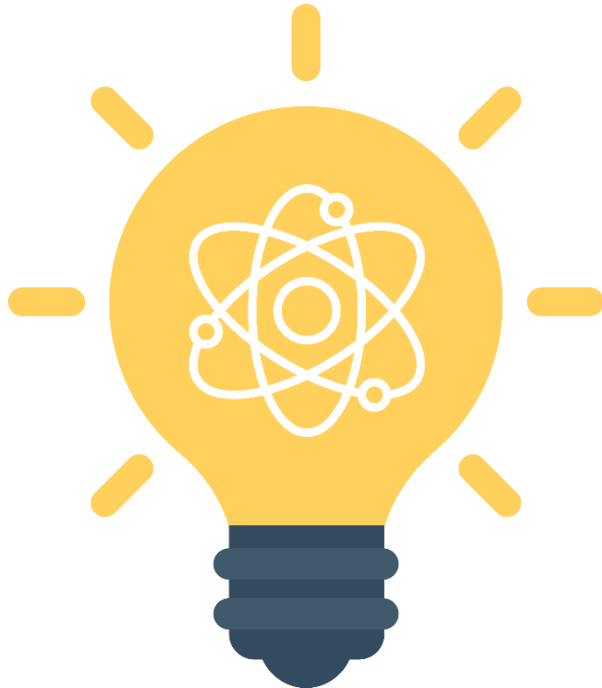
- Arrangements and protocols for operational interfaces
- Arrangements to develop and harmonize tools, procedures or criteria for use in the response to nuclear or radiological emergency
- Arrangements to harmonize assessments of contamination, doses and radiation induced health effects and any other relevant assessments made in a nuclear or radiological emergency

Coordination at International Level

- Arrangements and protocols with other States to:
 - Coordinate early notification, data and information exchange
 - Public information
 - Protective actions

- Special arrangements for :
 - Early notification and
 - Information exchange for States with areas in category V

Key Points



- A National Coordinating Mechanism should be established
 - Responsible with co-ordination at national level of all emergency preparedness activities
- Regulatory Body has dual role:
 - As regulator
 - As response organization
- Main responsibilities of all response organizations:
 - Establish and maintain arrangements for EPR
 - Demonstrate effectiveness of arrangements
 - Coordinate within the national system

Where to Get More Information

- IAEA GSR Part 7 (2015)
- IAEA GS-G-2.1 (2007)
- IAEA EPR-Method (2003)

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Thank you!

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