

## Field: EMERGENCY PREPAREDNESS AND RESPONSE

# Topic: EMERGENCY PREPAREDNESS AND RESPONSE OF THE GOVERNMENTAL INSTITUTIONS INCLUDING THE REGULATOR

<b>Course type</b>	TUTORING	<b>Objective</b>
<b>Host institute</b>	National Commission for Nuclear Activities Control (CNCAN) Bucharest, Romania	The course introduces the roles, responsibilities and tasks of emergency preparedness and response (EPR) stakeholders, such as the regulatory body, the national emergency preparedness and response organization, the technical competence center and the decision makers, particularly in the case of major nuclear emergencies.
<b>Date</b>	13 May – 07 June 2024	
<b>Duration</b>	Four weeks	
<b>Working language</b>	English	

### Outline of course content

- Introduction to the Romanian Emergency Management System:
  - Governmental, legal and regulatory framework;
  - Role and functions of the regulatory body.
- Introduction on CNCAN management system focusing on emergency preparedness and response (EPR) process:
  - Planning and management of assigned risks;
  - Operation of the Emergency Operation Centre;
  - CNCAN Nuclear Emergency Response Plan;
  - CNCAN EPR training program.
- Introduction to the Nuclear Emergency Response Plan:
  - Roles and responsibilities;
  - Hazard assessment;
  - Protection strategies and generic and operational criteria and how they should be used;
  - Emergency preparedness Categories;
  - Identifying, notifying and activating;
  - Emergency classification system;
  - Taking urgent protective actions;
  - Protecting emergency workers and helpers;
  - Managing the medical response;
  - Communicating with the public;
  - Taking early protective and other actions;
  - Managing radioactive waste;
  - Mitigating the non-radiological consequences;
  - Requesting, providing and receiving int. assistance;
  - Terminating an emergency;
  - Analysis of emergency and the response.
- Introduction on the international requirements on EPR, international framework and the role of the IAEA Safety Standards on EPR.
- Overview of lessons learned from past emergencies and experience gained from peer review missions.
- Case studies on the response to past nuclear accidents and/or radiological events.
- Tabletop exercises with realistic scenarios to practice emergency response.

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### **Technical schedule and delivery methods**

The course consists of one module taking 4 working weeks (i.e. 4 × 5 workdays).

- **Classroom lectures:** Core content will be delivered through lectures, supplemented by PowerPoint presentations and handouts to cover theoretical aspects.
- **Interactive sessions and tabletop exercises:** Participants will engage in role-playing activities and simulations to apply their knowledge in practice.
- **Group discussions:** Facilitated discussions to encourage the exchange of ideas and experiences among participants.
- **Feedback sessions:** Opportunities for participants to receive and give feedback on exercises and simulations.
- **Multimedia resources:** Use of videos, case studies, and online platforms to enhance learning.
- **Assessment activities:** Including written examinations, presentations, or practical demonstrations of skills learned.

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### **Target audience**

This course is intended for experts and professionals of Nuclear Regulatory Authorities (NRAs) and Technical Support Organisations (TSOs) with responsibilities in the field of emergency preparedness and response.

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### **Target number of participants: 2**

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### **Prerequisites and requirements for participants**

Participants should have basic nuclear safety and radiation protection knowledge and an adequate level of knowledge in English (at least an 'Independent user' level defined by the [CEFR](#)). A related university degree (preferably with nuclear specialization) and at least 2 years of professional experience in functions relevant to the content of the course is also a prerequisite. Relevancy of the course topic in the work and institutionally justified interest in participating will be considered as selection criteria as well as the need and opportunity for filling competence gaps. Efforts are made to ensure gender equality.

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### **Terms of participation**

The project is implemented under the European Union (EU) external assistance programme, called the European Instrument for International Nuclear Safety Cooperation (INSC), and aims to support the National Nuclear Regulatory Authorities (NRAs) and their Technical Support Organisations (TSOs) in non-EU countries in strengthening their capabilities with regard to their regulatory tasks and responsibilities in the field of nuclear safety and radiation protection. Employees of the NRAs or their TSOs in the Beneficiary Countries are eligible for financially supported participation in the T&T courses. Beneficiary Countries of the project are published on the website <https://training.ek-cer.hu/>.

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### **Costs**

Travel and accommodation costs and subsistence allowances (including the international and national travel tickets as well as shuttle services, insurance and visa costs, per diems) for participants will be covered from the project budget.

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### **Application**

Application via the website <https://training.ek-cer.hu/>, according to the process and deadlines indicated there.

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### **Examination**

Technical and linguistic tests will be written by the applicants as part of the application and selection process to assess their underlying knowledge and preparedness. Knowledge and development of selected participants will be assessed through technical tests throughout the course. Work reports will be prepared by the participants to allow for progress monitoring and determining their final development through acquisition of knowledge, practical experience and expertise, as well as task completions.

Participants attending the full course will be issued with attendance certificates. Successful participants will receive certificates confirming their knowledge achieved and skills acquired.

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