

Regulatory control of Nuclear Sites: Inspection of Emergency Preparedness and Response Arrangements

Session: Once or twice a year

Registration deadline: 3 months prior to course.

Duration: 5 days
Certificate of attendance will be issued to participants who attend the full course.

Price: €2,500 for participants

Code: CO1034

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Online catalogue

www.enstti.eu/training-catalogue

Examination:

Knowledge testing (multiple choice exam) will be performed on the full course content and successful candidates will be issued with a Knowledge Certificate.

Teaching methods:

Lectures, discussions and practical sessions are included.
Working group exercises and technical visits are supervised by experienced TSO experts.

A USB stick containing the course material will be provided.

OBJECTIVES

To provide participants with an understanding of:

- The European and international regulatory frameworks on nuclear Emergency Preparedness and Response, including oversight and inspection focused on nuclear sites.
- The type and nature of potential accidents at nuclear power plants.
- The radiation hazards associated with such situations.
- The basic principles for protecting people and the environment.
- The regulatory framework on nuclear Emergency Preparedness and Response.

TARGET AUDIENCE

This training is intended for:

- engineers and other professionals with responsibilities associated with implementation of emergency preparedness at a national level,
- experts from nuclear regulatory authorities and technical support organisations.

PREREQUISITES

Participants should have a basic knowledge of accidents in nuclear facilities and in the field of applied radiation technologies.

LEARNING OUTCOMES

The successful completion of the course will give participants:

- a basic knowledge on NPP accidents along with their consequences;
- the general principles of emergency preparedness and response;
- a better understanding of recent developments regarding European and international requirements in this field, and their transposition into French, German and Spanish regulation;
- a better understanding of the EPR regulatory framework in France, Belgium and Spain, including inspection practices and recent improvements after the Fukushima Dai-Ichi accident;
- knowledge on EPR Plans, including emergency response phases, emergency management, roles and responsibilities, role of emergency centers, assessment methods and tools, based on on-site and off-site plans;
- information about how the emergencies were managed in various EU countries for different NPP accidents.

PROGRAM

The five-day training module will cover the following subjects:

- The basic concepts related to NPP accidents, and their consequences.
- The exposure pathways and effects of ionizing radiation and protective measures.
- European and international requirements regarding Emergency Preparedness and Response (EPR) for a nuclear or radiological accident situation, including regulation, regulatory inspection and recent improvements in this field.
- The main arrangements and related plans, including the emergency centers of nuclear safety authorities and TSOs along with the organization, methods & tools and information exchanges used.
- Technical visits to the Spanish regulatory agency's Nuclear and Radioactive Emergency Centers, and to the new nationwide post-Fukushima Technical Support Center at Tecnatom.