

The Legal and Regulatory Basis for Nuclear and Radiation Safety

Sessions: Once or twice a year

Registration deadlines: 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: CO1021

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Contact

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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 an understanding of the nature of radiation hazards associated with nuclear installations and uses of radioactive sources and the principles and philosophy of safety and protection.

TARGET AUDIENCE

Professionals involved in activities related to the regulatory control or safety assessment of nuclear facilities and uses of radioactive materials.
Professionals employed by nuclear regulatory or nuclear safety technical expertise organizations.

PREREQUISITES

Participants will require a basic knowledge in the area of nuclear and radiation science and technologies. Persons with knowledge of nuclear law will also benefit from the course.

LEARNING OUTCOMES

Participants will acquire:

- Knowledge on how regulatory processes work in practice for all nuclear facility types and uses of ionizing radiation and for all phases of facility service life.
- An understanding of the philosophical approaches to nuclear and radiation safety and how these are incorporated into legal frameworks and regulatory processes.
- Knowledge towards working more effectively within national legal and regulatory frameworks in the areas of regulatory guidance development, review of safety documentation, establishing conditions for authorization, and compliance assurance activities.

PROGRAM

The training covers nuclear safety legislation, national infrastructural needs for nuclear and radiation safety and the international conventions and codes of practice. It addresses the regulatory process for all types of nuclear facilities and uses of radioactive materials and radiation and also covers the lifecycle of facilities from siting through design, construction and operation to decommissioning. It covers emergency situations and issues related to legacy facilities and lost or orphaned sources of radiation.

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

- The nature of nuclear and radiation hazards and the principles and philosophy of safety and protection.
- Nuclear legislation.
- International codes and conventions.
- Regulatory processes.
- Regulatory experience in practice.

Practical exercises during the week will involve participants working in groups to address issues related to the subject matter being presented.