

Nuclear Materials Protection, Nuclear Safeguards and Interface with Nuclear Safety

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: CO1011

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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

- Raising awareness and instructing in the field of nuclear security, and on how it interfaces with nuclear safety and the safeguards for nuclear and other radioactive materials.
- Maintaining/increasing technical skills and ensuring sustainable development of nuclear technology.

TARGET AUDIENCE

Professionals involved in nuclear security activities employed in National Regulatory Authorities (NRA) and Technical Support Organizations (TSO).

LEARNING OUTCOMES

Improved understanding and skills in relation to nuclear security and its interfaces with nuclear safety and safeguards.

PREREQUISITES

Participants should have basic knowledge in the fields of nuclear energy and nuclear security.

PROGRAM

The course focuses on international safeguards, the physical protection of nuclear materials, and accounting for and controlling nuclear materials.

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

- Nuclear security culture, the compatibility between nuclear safety and nuclear security, and the complementarities between security and safeguards.
- The approach to dealing with non-proliferation issues through international safeguards (IAEA and EURATOM).
- Nuclear security principles.
- Security of nuclear materials and nuclear facilities.
- The transport of nuclear materials.
- Accounting for and controlling nuclear materials (in connection with nuclear security).
- Measurement of nuclear materials for protection against theft.
- Security of radioactive materials.
- The assessment process for nuclear security systems.
- Emergency situations related to nuclear security.