

Basic Safety Related Aspects and Regulatory Oversight on NPP Operation

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

Codes: CO1035

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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 basic knowledge on the most relevant safety aspects of NPP operation, on the structure of a risk-informed oversight system, and on the adequate balance of the different oversight activities, with a presentation of practical cases for discussions among the attendees.

TARGET AUDIENCE

This training is intended for:

- Engineers
- Researchers
- Others professionals from nuclear regulatory authorities and technical support organizations.

PREREQUISITES

Participants are expected to have basic knowledge in the area of NPP and regulatory activities.

LEARNING OUTCOMES

Participants will acquire:

- Knowledge on the scope, content and significance of the most relevant safety-related aspects of NPP operation.
- A detailed view of the main components of a risk-informed regulatory oversight model for operating NPP, including: items included in the baseline inspection program; reactive inspections of significant events; assessment of inspection findings; development of NPP performance indicators which could give significant insights on licensee safety awareness and potentially emerging problems; definition of regulatory activities to cope with declining plant safety performance; and the enforcement process.
- An understanding of the practical application to real cases of the above-mentioned points.

PROGRAM

Regulatory oversight of operating nuclear power plants (NPP) is a key aspect in assuring safe NPP operation and proper adherence to licensing basis as required in plant authorization.

To fulfill this aim, it is of paramount importance to have:

- A clear definition of the main aspects requiring oversight with respect to NPP operation. This includes the clear definition and scope of the main safety-related aspects that need to be considered in the regulatory oversight.
- A well-balanced and comprehensive system to establish and develop the regulatory oversight activities.

The training course covers the following topics:

- Key safety related aspects on NPP operation.
- Regulatory oversight criteria and scope description.
- Practical cases.