

VVER Design and Operational Safety (Module 1)

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: CO1041

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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 the technical background on VVER safety and safety-related systems design and operation, as well as the regulatory safety review methodology to apply in the licensing process and during the operation of Nuclear Power Plant (NPP).

TARGET AUDIENCE

This training is intended for professionals from regulatory bodies and technical support organizations of "newcomer countries" with VVER-type NPP programs, who are or who will be involved in safety-document review and assessment or in licensing and monitoring activities for this type of facilities.

PREREQUISITES

Participants are expected to have basic knowledge of nuclear facility technology, nuclear and radiation safety and nuclear regulatory processes.

PROGRAM

The training course provides the main elements of the VVER design and operational safety principles and requirements, along with their implementation with regard to the regulatory safety review.

The lecturers have a wide national and international experience both in VVER safety assessment and licensing, and in the safety assessment of Generation III reactors.

Training sessions will include:

- Plenary sessions dedicated to lectures and discussions on common topics.
- Case-study sessions for practical training on how to review and assess safety-related documents and safety cases.

A number of practical exercises will take place during the week in which participants will work in groups to address issues related to the subject matters being presented.

Note: The two modules (Module 1 "VVER Design and Operational Safety" and Module 2 "Regulatory Review of VVER Accident Analysis Results") are stand-alone and participants can attend both or either modules.

LEARNING OUTCOMES

- Participants will be familiarized with:
- Objectives, scope and main steps of the regulatory review within licensing and commissioning processes.
 - Safety review methodology and organization.
 - System design and operating documentation, including emergency operating procedures.
 - Periodical testing and maintenance strategy.
 - Organization of operating-experience feedback analysis and the development and implementation of safety improvement measures.
 - Main steps of commissioning and unit startup.