

Regulatory Review of VVER Accident Analysis Results (Module 2)

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: CO1042

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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 assessment, with a focus on the accident analysis and design justification for safety and safety-related systems, structures and components (SSCs) to apply in regulatory safety review during the nuclear power plant (NPP) licensing process.

TARGET AUDIENCE

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

PREREQUISITES

Participants should be familiar with VVER technology, basic safety principles and the design of safety and safety-related systems.

LEARNING OUTCOMES

Participants will be familiarized with:

- Regulatory requirements and design justification of safety and safety-related SSCs of Generation III reactors.
- Main steps in the regulatory review of safety systems using a deterministic approach.
- Definition and categorization of initiating events in design-stage accident analysis.
- Main tools, assumptions, limitations and results of accident analysis calculations. Links with the characteristics and classification of safety SSCs.
- Justification, development and implementation of symptom-based emergency operations instructions and severe accident management guidelines.

PROGRAM

The training course provides the main elements of regulatory review with regard to VVER accident analysis and safety justification.

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

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