

EU Training Course on “Requirements and safety evaluation for NPP PSA”

Duration	1 Week
Content	<p>The training course will present and discuss the objective, requirements and scope of a PSA for a NPP. The structure and content of PSA will be presented and related applicable safety standards and requirements.</p> <p>The role and objective of the PSA study during the licensing and regulatory review activity will be presented and discussed.</p> <p>The regulatory requirements for the PSA and its elaboration will be the subject of specific presentations and will include: safety objectives, principles, criteria and requirements for PSA methods, tools, initiators, safety functions, safety and non-safety systems, event tree development, fault tree, event tree quantification, data bases, consideration and modelling of common cause failures, human reliability modelling, etc..</p> <p>The organization and conduct of the regulatory review of a PSA in terms of completeness and adequacy of its content will be presented. Identification of main priorities in the organization and conduct of the review will be discussed including the use of external TSO support and how to prepare the regulatory evaluation report.</p> <p>Aspects related to effective management of regulatory review of PSA will be covered in</p> <p>the training program together with the use of PSA results in the decision making process.</p> <p>Findings from regulatory review of PSA review will be presented and discussed.</p> <p>Reference standards and guidelines for PSA of NPP review will be addressed. Practical elaboration and evaluation will be included in the training program.</p>
Achievements	<p>The attendees will attain the knowledge, learning of main aspects related to the regulatory guidance and regulatory review of PSA and related interfaces with licensing and decision making process.</p>