

ENSREG 2nd Topical Peer Review

1st Stakeholder Engagement event 22 June 2021

Session 2: 'Fire protection' – The topic for TPR 2

ENISS Views on Fire Safety at Nuclear Installations

Raquel Velasco
William Ranval
Gerd Bassing



ENISS Views on Fire Safety at Nuclear Installations

1. ENISS licensees are highly aware of the safety significance of Fire Safety, and have effectively implemented the continuous improvement principle in their organisations

- ❖ *Goals, standards and expectations for Fire Safety are defined, communicated and monitored.*
- ❖ *Importance of adequate education, training and drills to form and support knowledge, attitude and culture for Fire Safety.*

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2. Continuous Improvements, through design, processes and human performance, are based on the findings of research and development and on learning from the evaluation of OPEX events.

- ❖ *Importance of being connected to Operating Experience Feedback Channels (OPEX), with appropriate integration in the management system,*
- ❖ *Licensees follow and support R&D projects to improve Fire Safety,*
- ❖ *Improvements and changes are also triggered by new requirements (national regulations, European norms).*

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3. Although the process is largely running smoothly, some improvements would support its efficiency and ease the practice:

- *As for all nuclear safety aspects, it is essential to apply risk-informed / performance-based approaches*
- *Management of transitions between life cycle stages and the necessary adaptations,*
- *Graded approach and data management related to the decommissioning conditions*
- *Use of industrial standards to provide flexibility*
- *Enhanced risk analyses making use of equipment actual reliability, accounting for more realistic data*

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4. What would support the industry as a result of the TPR II?

- Good practices in:
 - *Operational Experience Feedback (OPEX)*
 - *Management of transitions between life cycle stages using a graded approach*
 - *Progress in risk analyses and application of risk-informed / performance-based approaches*
 - *Fire prevention / management / expertise and skills*

- Way forward in the harmonization of standards, flexibility to use different standards

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Thank you for your attention

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