2nd TPR – Process, scope and goals

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Board Chair - TPR on fire protection

1st Stakeholder engagement event, 2021 June 22nd
Council Directive 2014/87/EURATOM introduces a European system of Topical Peer Review (TPR) to begin in 2017 and to be carried out every six years.

Open to non-EU countries

- Have in-depth examination of safety significant topics
  - enable common understanding on nuclear safety issues
  - share experience and good practices
  - result in concrete recommendations to enhance nuclear safety
Scope includes all nuclear installations under safety directive

- nuclear power plant, enrichment plant, nuclear fuel fabrication plant, reprocessing plant, research reactor facility, spent fuel storage facility
- storage facilities for radioactive waste that are on the same site and are directly related to nuclear installations listed above at all stages in the lifecycle (facilities under construction, in operation and under decommissioning)

A graded approach will be implemented to focus resources on relevant installations
Fire protection includes the measures resulting from the defense in depth principle.

Measures:

- to prevent fires from starting (nature and quantity of combustible material, fire permit)
- to detect and extinguish quickly any fires that start (detectors, alarms, extinguishing systems)
- to prevent the spread of fires and their effects that may affect safety (fire compartment, redundancy)
Topical Peer review

Typical process

Phase 0: Preparation
- Choice of the topic
- Lessons learnt from the former TPR
- Terms of reference including stakeholder engagement
- Technical specifications
- Experts nominations

Phase 1: National self assessment
- National assessment with regard to WENRA technical specifications
- Publication of the reports

Phase 2: Peer review
- Peer review (desktop review, workshop)
- Peer review reports

Phase 3: Follow-up
- National action plans
- ENSREG plan
Topical Peer review

Timescale

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2020-mid 2022
mid 2022-2023
2024
2025- …
Thank you for attention

Questions ?