

# 2<sup>nd</sup> TPR – Process, scope and goals

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Board Chair -TPR on fire protection

*1<sup>st</sup> Stakeholder engagement event, 2021 June 22<sup>nd</sup>*

- 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



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2020-mid 2022

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mid 2022-2023

### Phase 2 : Peer review

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- Peer review reports

2024

### Phase 3 : Follow-up

- National action plans
- ENSREG plan

2025- ...



European Nuclear Safety Regulators Group

**Thank you for attention**

**Questions ?**