

Second topical peer review

Fire protection at nuclear installations

Topical peer reviews (TPRs) were introduced by the **amended Nuclear Safety Directive in 2014**. The first one took place from 2017 to 2019 and it focused on **ageing management** of nuclear power plants and research reactors. They are organised by the **European Nuclear Safety Regulators Group (ENSREG)**, with input from the **Western European Nuclear Regulators Association (WENRA)**, and in cooperation with the **European Commission**.

Fire protection was chosen as the topic for the second topical peer review because:

- fire is a significant risk for nuclear installations;
- there is considerable experience on fire-related events;
- there is scope for reasonably practical improvements;
- it is a technologically neutral field;
- it was not covered by the previous evaluations or benchmarks initiated after the Fukushima accident.

Scope of the 2nd TPR

- Nuclear installations within the scope of the Nuclear Safety Directive such as nuclear power plants, enrichment plants, research reactors, spent fuel storage facilities, and storage facilities for radioactive waste on the same site as and directly related to nuclear installations.
- All stages in the lifecycle are covered (facilities under construction, in operation and in the process of being decommissioned).
- A graded approach, taking account of the level of risks associated with a particular type of installation, will ensure allocation of resources commensurate to those risks, in the review of the respective installations.

Expected outcomes

- Enable participating countries to review their provisions for fire protection to identify strengths and weaknesses.
- Share operating experience and identify findings: common issues or challenges at EU-level, good practices, areas of good performance and areas for improvement.
- Provide an open and transparent framework for participating countries to develop appropriate follow-up measures in national action plans and at the European level in ENSREG action plans.

Transparency

All stakeholders will be involved, all relevant documents will be published on www.ensreg.eu and there will be opportunities for public consultation and stakeholder input.

Schedule and milestones

2020

Set up TPR Board to supervise
the peer review process

2021/2022

Technical specifications (WENRA)
Terms of reference (ENSREG)
Stakeholder involvement plan (ENSREG)



2022/2023

National self-assessment
National assessment reports



2023/2024

EU-wide peer review of
national reports
Desktop peer review, peer review
workshop, reports of findings



2025

Peer review follow-up
National action plans
ENSREG action plan