Ad hoc TPR-II WG Technical Specifications

2nd Topical Peer Review – 1st Stakeholder Engagement event
22nd June 2021

Kai Weidenbrück
TPR-II WG chair
Missions and timeline

- The TPR-II WG is an ad hoc group, specifically created for the development of the TS, including a template and guidance for the national assessment report (NR).
- The first mission of the TPR-II WG is to detail the scope of the TPR-II and draft the Technical Specifications, including guidance for the national assessment report.
- The TPR-II WG will also be in charge to conduct, in due time, the consultation of the relevant stakeholders in the process of the TS drafting.
- A first draft of TS is expected to be submitted to WENRA at its November 2021 meeting, prior to the ENSREG November plenary meeting.
- The TPR-II WG will be suspended when the TS are approved by ENSREG.
Composition of the Group

Composed of 20 members from

- Belgium, Czechia, Finland, France, Germany, Hungary, Italy, Netherlands, Romania, Slovenia, Spain, Sweden, United Kingdom

- Members are a mix of all of WENRAs WGs areas of expertise (RHWG, WG RR, WG WD)

- Experts for FCF are also members of the Group

- Sub Groups were created for drafting

- WG Chairs are welcome to observe the meetings and have attended every meeting so far
Development of the scope

• The EU Nuclear Safety Directive considers the following installations:
  
• a) enrichment plant, nuclear fuel fabrication plant, nuclear power plant, reprocessing plant, research reactor facility, spent fuel storage facility;

• (b) storage facilities for radioactive waste that are on the same site and are directly related to nuclear installations listed under point (a).
Development of the scope

• Taking that into account for the purpose of the TPR the Scope contains the installations as follow:
  • 1) NPPs (into operation and construction)
  • 2) Research Reactors (into operation)
  • 3) Fuel cycle installations (enrichment plants, reprocessing plant, spent fuel storage facilities) (into operation)
  • 4) Waste storage facilities related to nuclear installations
  • 5) Nuclear installations under decommissioning
Current status of the TS

- TPR scope was approved by WENRA in silence procedure and subsequently proposed and endorsed by ENSREG

- General layout of TS was decided during the last Working Group meeting, taking into account ENSREGs endorsement the week before

- As proposed to ENSREG, the TS will follow a logical order related to fire protection

- Drafting groups are currently preparing installation specific content, where it is unavoidable
Logical order related to fire protection

All Installations

- General Information
- Experience and Research Feedback and Resulting Major Modifications
- Fire Prevention

Active Fire Protection

- Fire Detection and Alarm
- Fire Suppression
- Administrative and Organisational Issues

Passive Fire Protection

- Prevention of Fire Spreading (Barriers)
- Ventilations Systems
- Access and Escape Routes

NPPs and Larger RR

- Fire Safety Analyses
  - Deterministic Fire Hazard Analysis (FHA)
  - Probabilistic Fire Risk Analysis (Fire PSA)
TPR II Technical Specification process 2021

ENSREG Plenary March 2021
Scope Approved

WENRA spring plenary 2021
current status

RHWG update
End of May

ESNREG TPR-II
1st Stakeholder engagement event
22 June 2021

TPR-WG Meeting
13 July 2021

WGRR and WGWD update
Summer

Stakeholder involvement during summer

Discussion of preliminary TS by WENRA WGs until late Summer

WENRA
Discussion of preliminary TS
Oktober 2021

ENSREG November 2021
Preliminary presentation of TS to ENSREG

22nd June 2021
ENSREG 2nd Topical Peer Review – 1st Stakeholder Engagement event
Thank you.

TPR-II WG
Kai Weidenbrück (BMU)