

Ad hoc TPR-II WG Technical Specifications

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

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TPR-II WG chair

Missions and timeline

- The TPR-II WG is as 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 WENRA's 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

Passive Fire Protection

NPPs and Larger RRs

Fire Safety Analyses

Deterministic
Fire Hazard Analysis
(FHA)

Probabilistic
Fire Risk Analysis
(Fire PSA)

Fire Detection and Alarm

Fire Suppression

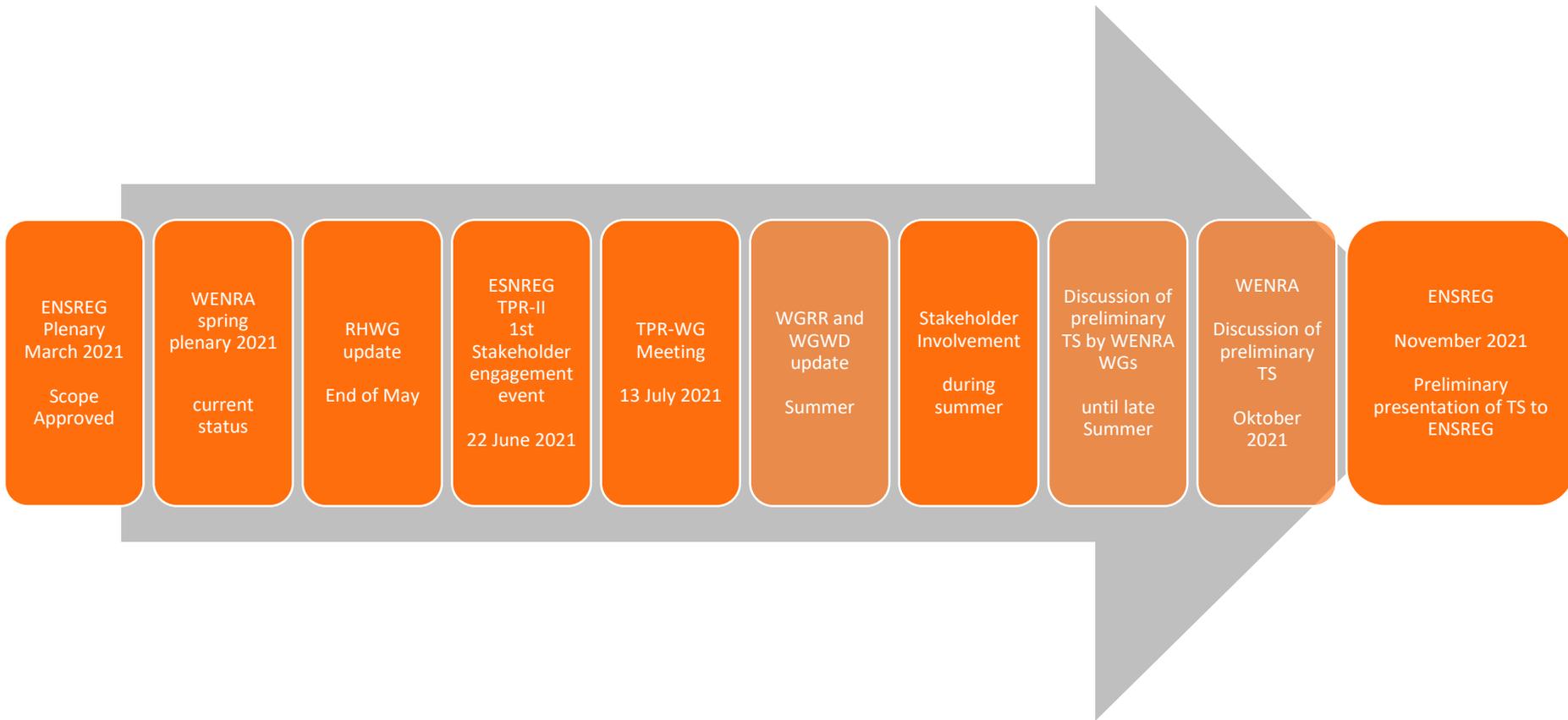
Administrative and Organisational Issues

Prevention of Fire Spreading (Barriers)

Ventilations Systems

Access and Escape Routes

TPR II Technical Specification process 2021



Western European

WENRA

Nuclear Regulators Association

Thank you.

TPR-II WG

Kai Weidenbrück (BMU)