Nuclear Safety Standards Committee

42nd Meeting, 29 November – 1 December, 2016

Agenda item 3.2

DPP DS502 Continuous improvement of operational safety performance in nuclear power plants

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Justification

• The DS 502 was initiated to
  – Provide recommendations and guidance on how to comply with requirements of SSR 2/2 Rev. 1 dealing with monitoring and review of safety performance
  – To complement the DS497 which states a need for a new guide on “Monitoring and review of safety performance in Operation of NPP”.
  – Address recommendations of recent TM’s on safety guides and lessons learned from recent events
  – Incorporate industry experience and the OE from the IRS
  – To provide bases for future OSART reviews
  – To assist regulators in formulating their approach how to regulate continuous improvement of operational safety performance
Objective and Scope

- Potential areas to be covered in the new SG:
  - Monitoring of performance through lagging and proactive performance indicators
  - Self-assessment and Benchmarking programme
  - Human performance improvement programme
  - Effective corrective action programme and use of OE
  - Independent internal oversight
  - Use of risk assessment tools for continuous improvement

- Primary target will be NPPs, but the Guide may also provide useful information to other nuclear installations, regulatory authorities and other organizations in Member States.
Proposed process of the new Guide development

• The new Safety Guide will be closely interrelated with the Safety Guides that will be revised under DS 497 - work on the new guide will be done in close coordination and in parallel.

• Opportunity will be used to link the new Guide to the standards which will be developed under GSR Part 2, and thus avoid duplication and inconsistency on expectations related to integrated management systems, systemic approach to safety and safety culture.
55 comments received from Safety Standards and Security Guidance Committees

Majority of comments accepted

Remaining comments will be considered at CSs in December 2016 and February 2017

Conclusions from the CSs will be presented in the next NUSSC
NUSSC is requested to note the current status DS502 which will be brought back to the next NUSSC meeting
Thank you!