Safety Standards Committee
TRANSSC

37th Meeting, 28 – 30 November, 2018

Agenda item 3.2.2


• Csilla TOTH, Ki Seob SIM
• SAS
• NSNI
Background

• The existing Safety Guide Design of Fuel Handling and Storage Systems for NPPs (NS-G-1.4) was first published in 2003.

• The current revision (DS487) was initiated to
  – Provide recommendations and guidance on how to meet safety requirements in SSR-2/1 Rev 1 (2016)
  – Ensure coherence and consistency with IAEA Safety Standards
  – incorporate experience on application of the documents, and the operating experience feedback and the feedback from the accident at the Fukushima-Daiichi NPP
Overview of the Document

• The scope of NS-G-1.4 remains essentially unchanged

• The new information in DS487 includes
  – All relevant safety requirements in SSR-2/1 Rev 1 and associated design recommendations
  – Design Extension Conditions to be taken into account in design
  – Design criteria for all plant state
  – Reliability in design for accident conditions
Status of the Document

• The DPP was approved by the Committees in April 2014

• The first draft was developed in four Consultancy Meetings during 2015-2017

• Approval by the Committees (NUSSC, WASSC, TRANSSC, NSGC) for submission to MSs for comments June 2017

• Member States’ Comments resolutions and Technical editorial review 2018
  – Resolution of Committees’ comments, November 2018
Member States’ Comments:

69 comments from Finland, Germany, Hungary, USA and ENISS

- The comments were mainly for clarification and some technical comments.
- All comments were addressed and resolutions were presented in the comment resolution table.
- There were no unresolved comments.
NUSSC/WASSC/NSGC Member Comments:

49 comments from Review Committees: Finland, France, Japan, Ukraine, USA and ENISS

- The comments were mainly for clarification and some technical comments.
- All comments were addressed (33 accepted, 16 rejected)
- Resolutions are presented in the comment resolution table.

There are no unresolved comments
Requested Action

Approval by NUSSC/TRANSSC/WASSC/NSGC for submission to CSS
Thank you!
NUSSC/WASSC/NSGC Member Comments: Summary

49 comments from Review Committees:

- Finland (NUSSC, WASSC members - STUK), (3)
- France (NUSSC member - ASN/IRSN), (7)
- Japan (NUSSC member), (1)
- Ukraine (NUSSC member - SSTC NRS), (1)
- USA (NUSSC member - US NRC and NSGC member - DOE/NNSA) and (10+24)
- ENISS (3)

- The comments were mainly for clarification and some technical comments.
- 33 comments were accepted, 16 rejected
- All comments were addressed and resolutions are presented in the comment resolution table.

There are no unresolved comments