

ENCLOSURE 1  
Staff's Plan on Next Revision to RG1.200  
Meeting Summary of the 5/2/16 Meeting  
with Industry  
**DATED JUNE 1, 2016**

# Staff's Plan on Next Revision to RG 1.200

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# Regulatory Guide (RG) 1.200

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- *“Describes one acceptable approach for determining whether the technical adequacy of the PRA, in total or the parts that are used to support an application, is sufficient to provide confidence in the results such that the PRA can be used in regulatory decisionmaking for light-water reactors.”*
- As such, the RG provides staff position on
  - What constitutes a technically acceptable PRA
  - How a PRA standard and peer reviews can be used to demonstrate a technically acceptable PRA

# RG 1.200, Revision 2

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- RG addresses staff position on
  - Metrics used in characterizing risk
    - Core damage frequency (Level 1 PRA) and release frequency (Level 2 PRA)
  - Plant operating states for which risk is to be evaluated
    - At-power and low-power and shutdown
  - Causes of initiating events that can potentially challenge and disrupt the normal operation of the plant
    - Internal and external hazards

# RG 1.200, Revision 2 (Cont'd)

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- RG endorses:
  - ASME/ANS RA-Sa-2009 (Standard for Level 1/Large Early Release Frequency Probabilistic Risk Assessment for Nuclear Power Plant Applications)
  - NEI 00-02 (Probabilistic Risk Assessment Peer Review Guidance, 5-19-2006, Rev 1 and Update of Appendix D, 11-15-2006)
  - NEI 05-04 (Process for Performing Follow-on PRA Peer Reviews Using the ASME PRA Standard, Revision 2, 11-2008)
  - NEI 07-12 (Fire Probabilistic Risk Assessment Peer Review Process Guidelines, Draft Version H, Revision 0, 11-2008)

# New and Revised Standards and Guidance

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- Level 2 PRA standard – currently out for trial use
- Low Power and Shutdown standard – currently out for trial use
- Seismic PRA, Part 5 of the Level 1/LERF PRA standard – expected to be issued JCNRM as a “code case” in August 2016 that will remain in effect until incorporated in the next edition of the standard when it is issued
- NEI Peer Review Guidance 12-13 on seismic PRA
- NEI update to Peer Review Guidance 05-04 addressing resolution of Findings and Observations (F&Os) – expected to be issued by NEI for use in 2016
- NEI guidance 16-04 on new methods – expect to be issued by NEI for use in 2016
- Advanced LWR PRA standard – expected to be issued by JCNRM for trial use in December 2016
- Edition to Level 1/LERF PRA standard – expected to be issued by JCNRM in October 2017

# New and Revised Standards and Guidance (Cont'd)

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- Not efficient and too resource intensive to revise RG 1.200 each time a new/update standard or guidance is issued
- Although a consensus standard, new standards are being issued for “trial use”

# Staff Proposed Approach

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- Issue a series of Draft Guides (DG)
  - As standards are issued, draft guide would be issued providing a **draft** staff position
- Public review and comment period would be open over the entire time
- Allows for trial use standards to be piloted including staff position before finalizing RG



# Staff Proposed Approach (Cont'd)

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- Allows staff to perform a detailed review of the RG
  - Identify what has been successful and what could be improved
  - For example, merit of including NRC staff on peer reviews?
- Using this approach, formal revision to the RG would occur after the public review and comment period ends for the various DGs

