MODERNIZATION PLAN #4 REGULATORY INFRASTRUCTURE PUBLIC MEETING

Additional Input from NEI/Industry

Preliminary, Unofficial, Partial Poll Results
and
MP 4Ab Deliverables for 2017

April 13, 2017

MP4a Success… Then What?

- MP4a Success =

  - revised regulation that results in a more predictable, quantifiable, lower risk, scalable, path through the LAR process for safety digital upgrades

- Which Begs the Question:

  - If MP4a is successful, what does industry estimate will result in terms of digital safety system upgrades, and specifically LAR submittals?

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Future Safety Related Upgrades

- So… we took a preliminary poll:
  - Very Limited # of Utilities / Units
  - Non-committal, Best Guess, Anonymous
  - Focused on LAR Submittals
  - Some (not all) Included 50.59
  - Very Preliminary, Unofficial, Partial Poll
- Over the next 8 years, industry may begin…
  - LAR's for ~10 Protection Systems
  - LAR's for ~10 Safety Support Systems
  - 50.59's for ~20+ Safety Support Systems

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MP 4Ab Deliverables for 2017

- Develop a DI&C LAR guidance document for licensees. Define the process for using the fundamental design principles. Add a wrapper that:
  - Use the fundamental design principles from the white paper
  - Define purpose for each section in the document
  - Suggest the regulatory findings for each section
  - Define the information to be provided in the LAR
  - Use standard LAR format from LIC-101
  - Consider providing as an appendix to NEI 06-02, Rev. 2
  - Industry pilot projects are under formal utility evaluation

- Generate a NEI/NRC project plan, including schedule milestones, that defines how this document will be applied and how pilot lessons learned will be incorporated

- The NRC to generate an endorsement letter for the document, with NRC to endorse in the longer term through the RG process

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