Davis, Paul M.

Subject: 2016 CMBG Conference - Analog to Digital Breakout Meeting

Thank you all for attending this breakout session. Attached, please fine the prescribed agenda we followed, compiled entries from station responses, and the attendance list since this meeting is about benchmarking/networking.

Notes from the session:

Hot Topics
- Master Pak Breakers – Spurious trips after installation – issues w/looking at vendor firmware – proprietary information.
- PAR Refueling Crane Upgrade

Equivalency Evaluation Use for Digital
- FPL – IEE not allowed – EDP with conditions
- VCS – If digital component serves the same committed function
- HC – All changes are EC
- Question teams to assure true understanding of all aspects of digital. Knowledge limited to Cyber Security and not covering SQA.

CM of Firmware/Software version
- Standard language in PO's for digital components
- Have vendor/suppliers treat software/firmware as a subcomponent
- NNS SSCs – if commercial plants can handle software/firmware changes seamlessly, then why can't we?
  - Nuclear Promise
  - Acceptable Risk
  - Function Level Evaluation
- Does software change prompt a change in part number to be identified – how to detect?

Maintenance Spec / Generic Procedure
- Cross system applications may need to be limited; single system preferred
  - Control Room recorders may be an exception due to cross system
- Caution in 50.59 space

Digital Device Life Cycle Management
- Controlling of software/firmware changes
- Building infrastructure for new design and integrating process for old design plants

Avoidance of Digital Changes
- SQA, Cyber Security, proprietary information, regulatory challenges
- General understanding of requirements
- Lack of qualified personnel

50.59 / Regulation Changes
- Wes highlighted various documents being worked on through the regulators

Due to the limited time, the above was a download of quick bullets and discussion, not conclusive resolution to issues. It was excellent to compare new construction (design the infrastructure) to the old design problems. I encourage the group to continue to benchmark and utilize peers as these processes are worked through.

Thanks again,

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