

# NEI Update

**Gordon Clefton**

Senior Project Manager

NRC Digital Workshop

July 01, 2015 • Rockville, MD

# Digital Update

- 2015 Digital Modification Guidance
  - Safety System Modifications
    - Firm guidance based upon DI&C-ISG-06 that includes the pilot project lessons learned
    - Expected in 2015
  - Non-Safety System Modifications
    - Revisions to NEI 01-01 and NEI 96-07
    - Expected in 2015

# Digital Working Group

- **Problem Statement:**

- 1) Insufficient progress is being made toward establishing a stable regulatory framework that will help ensure the timely and efficient implementation of digital solutions at new and existing plants.
- 2) The industry has not implemented digital modification projects in a manner that provides confidence that future projects will be successful.

# Digital Working Group

- **Mission Statement:**

- 1) The DWG will be focused on policy-level issues that affect the regulatory framework and implementation of both safety related and non-safety related digital I&C solutions at existing and new nuclear plants.
- 2) The DWG will advise the NSIAC on proposed strategies for the timely identification and effective resolution of issues within DWG scope, and provide a mechanism for coordination and integration of industry groups' activities to ensure alignment in achieving industry objectives.
- 3) The DWG will provide executive oversight and guidance to related task forces and focus groups.

# Digital Working Group

- **Goals/Objectives/Benefits:**

- 1) Work with the regulator to establish a regulatory framework that is clear, stable, and consistently applied to existing and new plants. For example:
  - a. Testing requirements for new plants and existing plant modifications
  - b. Common Cause Failure concern
  - c. Clarity in cyber security
- 2) Establish industry technical and regulatory guidance and improve industry knowledge to help facilitate consistent and efficient implementation of digital solutions. For example:
  - a. Accurate 10CFR50.59 screenings and evaluations
  - b. NEI templates, process guidelines, and white papers
  - c. Workshops to help facilitate the implementation of guidance and digital solutions
  - d. Peer reviews to grow industry knowledge during design and implementation of digital projects
- 3) Provide industry the opportunity to:
  - a. Successfully demonstrate the implementation of safety and non-safety digital I&C solutions
  - b. Capitalize on opportunities to reduce initiating events and increase margins of safety
  - c. Reduce exposure to equipment obsolescence issues
  - d. Capitalize on diagnostic and performance monitoring technologies that enhance safety and reliability

# Digital Working Group

- **Membership:**
  - Executive Sponsor
  - NEI Director
  - Senior industry management with digital I&C oversight and/or licensing responsibilities:
    - Existing plants
    - New plants (including SMRs)
    - Major suppliers
    - EPRI
    - PWR and BWR Owners Groups
    - DOE
    - INPO

# Digital Calendar

Date	Activity
22jun15	Digital WG Telecon
01jul15	NRC Digital Workshop
06aug15	Digital WG Meeting
12-13aug15	NEI 01-01 Meeting
19aug15	NRC Periodic Update Meeting

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