
 **DIABLO CANYON POWER PLANT**
A Dynamic World Leader
in the Nuclear Industry 

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RIC 2013

Beyond Sirens and Radios – Advances in Public Alert and Notification Systems

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Industry Challenges

- Stand-alone systems are unique to nuclear energy facilities
 - Enhancements being sought to improve effectiveness / efficiency of emergency notification.
- Existing guidance documents (FEMA REP-10, NENA 56-003) do not provide adequate basis for defining functionality
- Through out the industry ANS is not standardized
- Flexibility is desired to enable use of new technologies

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What Does the Industry Need?

- Method to validate new technologies (e.g., Reverse 911-type system) to meet functional requirements. Establish a repository for standard language of approved systems.
- List of "qualified" vendors and products that meet NENA standard
- The more standardized we can make these the reports the better for us and the regulator.

NRC Inspection Module Challenges

- Integrated design report needs to include a description of ANS system and components, however, the licensee may not be in control of certain systems / components.
- Design report should only include those system/components controlled by the licensee.
- Design report should reference ORO controlled systems.
- How do utilities transition from a system under their control to a system/component under the control of the ORO (e.g. tone alerts for IPAWS)?
- How do we write a 54q that is not a reduction in effectiveness? Is the NRC going to endorse IPAWS as a viable alternative for all licensees?

Additional Challenges

- New technologies meeting the recommended goal of 45 minutes.
- Approach ANS as a integrated system of technologies that provide reasonable assurance in varying conditions.
- Are we modeling or are we measuring?
