



AP1000 DAC / ITAAC

Inspection & Related Activities

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Focus Areas

- **Digital I&C DAC/ITAAC**
- **Piping Design & PRHA DAC**
- **HFE DAC**
- **Lessons Learned**
- **Review of 2012 Objectives**



Digital I&C

- Initial ITAAC inspection completed 4/12; inspection report issued 6/12 ([ML12171A058](#))
- Issues identified with PMS software development and V&V process
- SNC corrective actions on-going
- Interaction continues with DCWG:
 - determine impact of inspection on I&C schedule (PMS and DAS)
 - identify window and plan for inspection of PMS-CIM (I&C DAC-related ITAAC); expect to conduct inspection late 2012



Piping Systems

- **Completed tabletop of Piping and PRHA DAC inspection process 7/12**
- **Numerous action items identified between WEC and Staff**
 - **piping package content and reports**
 - **inspection procedure upgrades**
 - **clarification of inspection protocols, etc.**
- **Class 2/3 piping package availability – late 2012**
- **Class 1 piping package availability – 2013**
- **Continued interaction with DCWG to work through action items and prep for first inspection**



Human Factors Engineering (HFE)

- **Staff and AP1000 DCWG interactions on-going to work through:**
 - **potential changes to DCD**
 - **impacts on ISV schedule,**
 - **consensus on a “completed” I&C implementation (to support ISV), simulator development, operator training needs, etc.**
- **HFE DAC inspection procedure for ISV (IP65001.23) complete; other HFE IPs in development**



Lessons Learned

- **Understand the ITAAC language and intent; align inspection scope accordingly**
- **Use risk insights to plan scope of inspection**
- **Pre-brief from the licensee/vendor**
- **Virtual reading room (e.g. sharepoint site)**
- **Licensing POC to support inspections at a vendor facility**
- **Utilize technical staff for inspection support; provide just-in-time inspection primer as needed**
- **Use all available inspection tools (e.g. strategy docs, ConE)**



2012 Goals

- **Complete all planned I&C inspections** ✓
- **Exercise and “burn-in” the DI&C inspection process (opportunities exist)**
- **Continue to compile/incorporate tangible lessons learned**
- **Complete Piping inspection tabletop** ✓
- **Complete first piping package inspection**
- **Complete all HFE inspection procedures**
- **Update IMC 2503 to include DAC inspection** ✓
- **Brief ACRS on progress/results**