



DAC / ITAAC

Inspection & Related Activities

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Objective

- **Summary of DAC W/G 2012 activity to date**
- **Plans for remainder of 2012**
- **First AP1000 DI&C ITAAC inspection**
- **Lessons learned**



2012 Re-Cap

- **Renewed focus on Piping DAC (first interaction w/ DCWG 4/5); staff is coordinating and organizing to tabletop process**
- **Introductory public meeting w/ DCWG 4/17 to discuss direction of HFE DAC**
- **Continuous planning w/ DCWG in run-up to first DI&C inspection, which was conducted at WEC (4/13 exit)**



Piping DAC

- Staff coordinating resources to tabletop inspection process early Summer 2012
 - ID RII inspection assets
 - Procedure familiarization
- Expect Class 2/3 piping packages to be available Summer 2012
- Anticipate inspections of first Class 1 piping packages 1Q/2013
- Sampled inspection results will allow staff to address site-specific piping DAC/ITAAC
- Frequent engagement w/ DCWG
- Process tabletop will be a public forum



HFE DAC

- Staff and AP1000 DCWG interactions occurring (intro public meeting held 4/17) and planned to work through:
 - potential changes to DCD
 - impacts on ISV schedule,
 - consensus on a “completed” I&C design (to support ISV), simulator development, operator training needs, etc.
- HFE DAC Inspection Procedures in development; ISV procedure will be first draft completed

Digital I&C DAC/ITAAC

- First inspection completed 4/13;
 - Scope: ITAAC 2.5.2-11b and 2.5.2-12 (PMS software “system definition” aka “requirements” phase and project planning)
 - various design control issues identified
 - Inspection Report 2012-009 due end of May
- August 2012; ITAAC 2.5.2.14 (PMS CIM development)
- ~October 2012; ITAAC 2.5.2.11.c (PMS design/implementation)
- ~early 2013; ITAAC 2.5.1.4 (DAS S/W development)



Lessons Learned

- Understand the ITAAC language and intent; reach consensus on meaning (staff and licensee) and develop inspection scope accordingly (especially true for AP1000 I&C ITAAC)
- Careful planning is essential; resources are limited, so important to select valuable attributes for scrutiny
- Understanding organizational and document hierarchy can streamline the inspection effort (ask for a pre-brief from the applicant/licensee ***and vendor!***)
- ***Consider adding a vendor inspection component to the inspection team***
- ***More to follow as inspections continue . . .***



2012 Goals

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



Questions??