



DI&C DAC Pilot Inspection

Status and Summary

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Background

- **DAC Working Group chartered to develop and pilot inspection process**
- **Framework and procedure developed to support 2nd Qtr 2010 pilot inspection**
- **STP DAC targeted for inspection**
- **Pilot inspection conducted June 2010; generic process to be refined for other DAC**



Pilot Inspection

- ITAAC inspection (pre-COL)
- Scope: Planning docs (SQAP, SMP, SCMP, SVVP), corresponding to STP DAC (T1-3.4 .7-10)
- New ITAAC IP (draft)
- Tech Staff in an inspection support role
- Completed 6/25; report due Aug. 2010



Pilot Inspection Observations

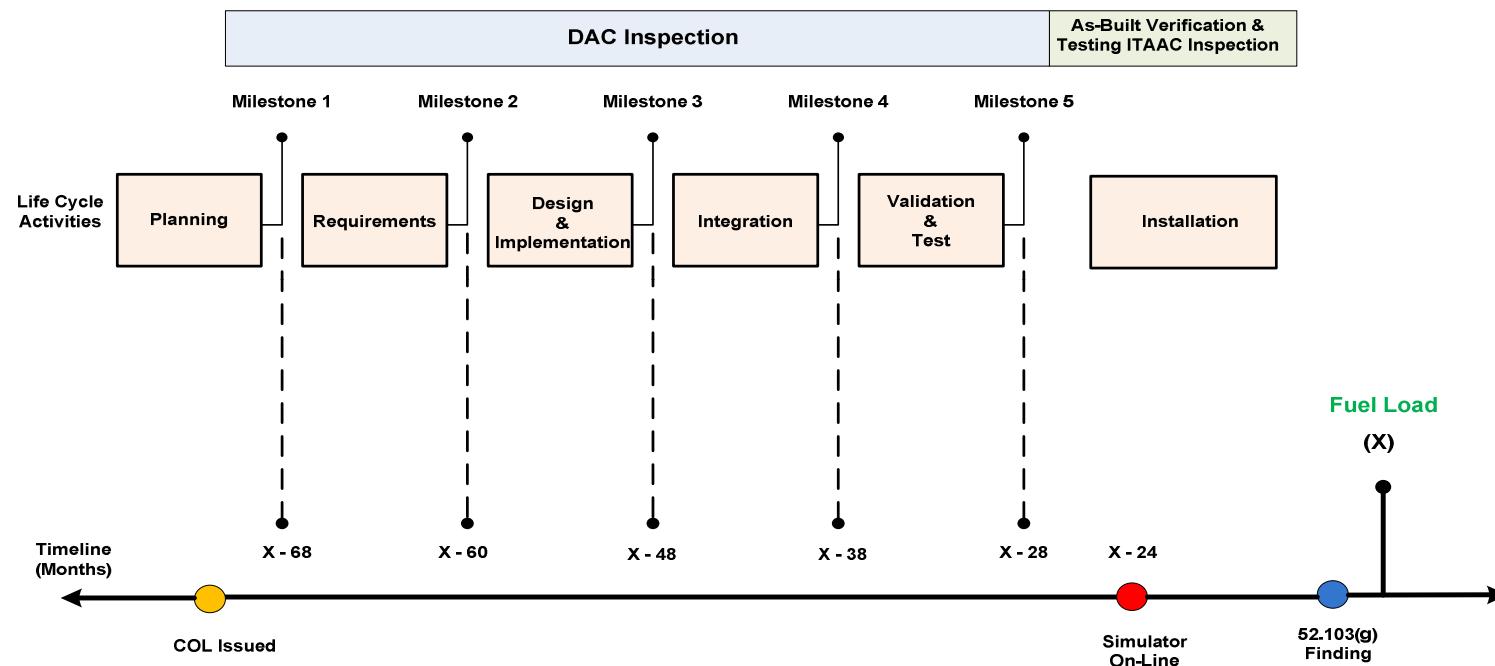
- Availability of docs for inspection prep
- Understanding organizational and procedural hierarchy
- Defining inspection scope
- QA impact
- Addressing the full DAC scope
- DAC products must be completely consistent with the acceptance criteria



Current Support Activities

- **Compile Lessons Learned**
- **IP refinement**
- **DI&C inspection infrastructure**
- **Piping/HFE DAC procedures**
- **Generic process**
- **2nd phase of Pilot (late 2010)**

DAC Inspection Strategy



Digital I&C Development and Inspection Chronology (Notional)



Design-specific DI&C DAC Inventory

- ABWR: T1 3.4.7-15 (9 items)
- AP1000: PMS digital system “Requirements” Phase
- EPR: PAMS and S/R VDU
- ESBWR: ~160 items; S/W development, regulatory (IEEE 603) compliance, and HFE to support PAMS
- APWR: none



Path Forward

- **Finalize Lessons Learned**
- **Complete inspection procedures**
- **Complete pilot inspection**
- **Fully integrate w/ ITAAC Closure**
- **Revise NEI 08-01 (and RG 1.215)**