



“Report ITAAC”

March 31, 2011

Public Meeting with Industry on Construction Inspection Program

David Terao, Chief
Component Integrity, Performance and Testing Branch 1
Office of New Reactors

Background

- 2011 RIC Technical Session on Construction Inspection Program
 - NEI: Managing the ITAAC closure bow wave
 - SNC: ITAAC Demonstration Project
 - NRC: Clarity of ITAAC acceptance criteria

**Closure of ITAAC with AC of
“a report exists”**

Purpose

- Early ID of troublesome ITAAC AC areas
- Identify areas for NRC/industry focus
- Discuss paths for resolution

RIS 2008-05 (Rev. 1)

- Describes lessons learned with ITAAC
- “Report ITAAC” lessons learned:
 - Avoid integrating several areas into an ITAAC
 - Lack of clarity (e.g., design report, a report)
 - Report scope and content should be described
 - Closure should specify design or construction
- Maintain complete and **consistent** ITAAC lists

ITAAC Consistency

- Are ITAAC *consistent* from one design center to another?
- Should ITAAC be *consistent* from one design center to another?
- Are “**Report ITAAC**” *consistent* from one design center to another?

What are “Report ITAAC?”

- ITAAC with an acceptance criteria that includes a report. For example:
 - “A report exists and concludes...”
 - “A stress report exists...”
 - “A test report exists...”
 - “A pipe break hazards analysis report exists...”
 - “The EQD report exists...”
 - “ASME Code design report exists...”

ABWR “Report ITAAC”

- Report ITAAC used infrequently
- Never uses the phrase “a report exists”
- All Report ITAAC are specific (e.g., LBB)
- Specific “report” is described in DCD
- ASME Code ITAAC verifies design
- One generic piping design ITAAC
- ITAAC for ASME welds addressed in basic configuration verification

AP1000 “Report ITAAC”

- Report ITAAC used extensively
- “A report exists...” used extensively
- A specific “report ITAAC” used infrequently
- ASME reports not accurately described
- Scope fo ASME ITAAC is too broad
- ITAAC for piping verification is addressed in each system

ESBWR “Report ITAAC”

- Report ITAAC used extensively
- Never uses the phrase “a report exists...”
- All Report ITAAC are specific (e.g., BRR)
- Specific reports are described in DCD
- Language for ASME Report ITAAC is clear
- Most Report ITAAC are ASME Code

Consistency of Report ITAAC

- Report ITAAC are not consistent from one design center to another
- All design centers must meet ASME Code
- Verification of ASME Code ITAAC should be consistent across all design centers
- Closure of ASME Code ITAAC in bow wave

Focus on achieving consistent closure of ASME Code ITAAC?

NRC Staff Planned Actions

- (Today) Initiate dialog with industry on
 - managing closure of ITAAC bow wave
 - identifying potential areas for focus
- Discuss generic closure of ASME Code Report ITAAC with ASME Code group
- Prepare NRO guidance document describing procedure for inspecting Report ITAAC
- Continue discussions on managing ITAAC closure bow wave in CIP public meetings

Questions?

