



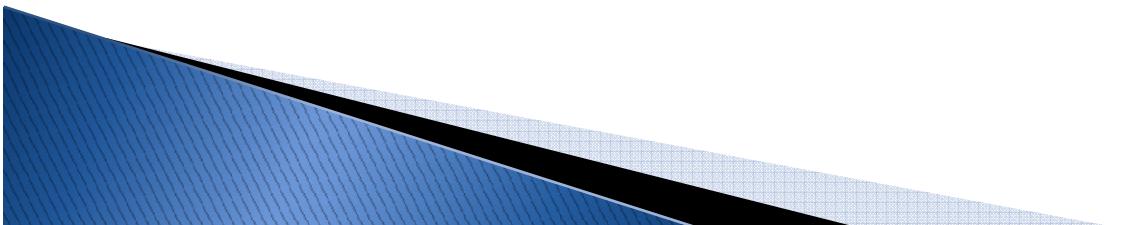
# “Report” ITAAC

Office of New Reactors Public Workshop  
October 6, 2011

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# What are “Report” ITAAC?

- ▶ ITAAC that require a report to exist in order to meet their acceptance criteria, e.g.:
  - A report exists and concludes...
  - A stress report exists...
  - A test report exists...
  - An analysis report exists and concludes...



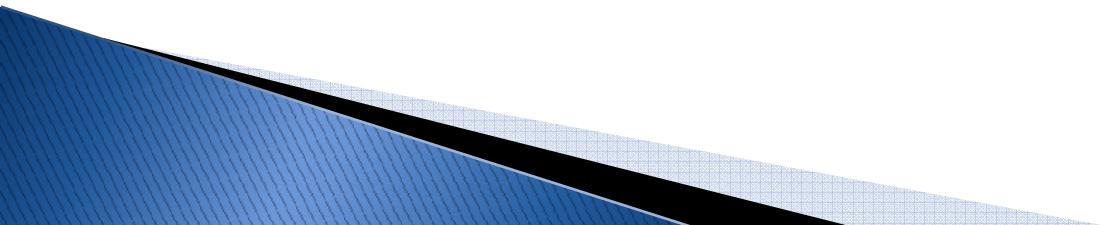
# AP1000 Definition of “A Report Exists and Concludes”

- ▶ .....it indicates that the ITAAC for that design commitment will be met when it is confirmed that appropriate documentation exists and the documentation shows that the design commitment is met. Appropriate documentation can be a single document or a collection of documents that show that the stated acceptance criteria are met.



# Standard Review Plan Definition of “ A Report Exists”

- ▶ .....the acceptance criteria ..... may be that a report "exists" that concludes the design commitments are met. In these cases, Tier 2 provides the detailed supporting information on multiple interdependent parameters that should be provided in order to demonstrate that a satisfactory report exists.



# **“Report” ITAAC in various designs**

- ▶ AP1000 extensively uses the concept
  - Over 220 ITAAC
- ▶ ABWR infrequently uses the concept
  - Less than 30 ITAAC
- ▶ ESBWR significantly uses the concept
  - Over 180 ITAAC
- ▶ EPR significantly uses the concept
  - Over 140 ITAAC
- ▶ APWR extensively uses the concept
  - Over 375 ITAAC
- ▶ Report ITAAC are not consistent from one design center to another



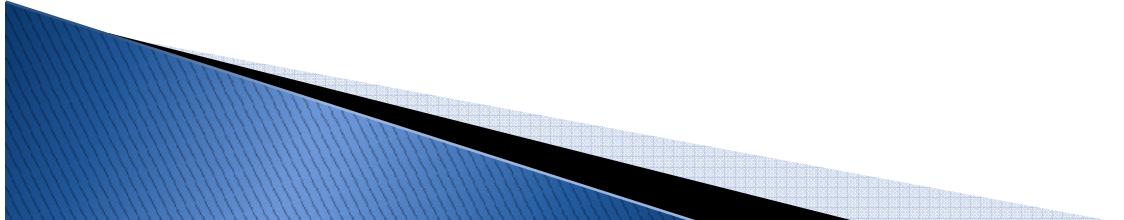
# Inspection Objectives

- ▶ Verification of technical attributes within the Report
- ▶ Verification of quality assurance processes (testing, measurement, analysis, data/record management, etc.) and other support activities conducted to develop and produce the Report
- ▶ Physically confirm the attribute being checked and not solely focus on inspection of documentation



# Completed Actions

- ▶ Started dialogue with industry on identifying potential focus areas
- ▶ Drafted and continue to develop a proposed Interim Staff Guidance (ISG-024) to provide supplemental guidance for the verification of “complex” ITAAC
- ▶ Drafted several NRC Strategy Documents for ITAAC families that include Report ITAAC



# Path Forward

- ▶ Continue dialogue with industry on information required to satisfy Report ITAAC
- ▶ Issue ISG-024 and complete all of its appendices
- ▶ Discuss lessons learned by the licensee from the LWA waterproof membrane ITAAC
- ▶ Simulate the performance of Report ITAAC to identify, clarify, and resolve related issues and frame expectations (pilot exercise)

