

U.S. Nuclear Regulatory Commission Public Meeting Summary

February 6, 2015

Title: Public Meeting to Discuss the Development of Standardized ITAAC and Tier 1 Related Activities

Meeting Identifier: 20141969

Date of Meeting: Wednesday, January 21, 2015

Location: U.S. Nuclear Regulatory Commission, TWFN, 7A01

Type of Meeting: Category 3

Purpose of the Meeting(s):

This was the 7th meeting in a series of public meetings between NRC staff and stakeholders held with regard to improvements and standardization of inspections, tests, analyses, and acceptance criteria (ITAAC). The goal of this effort is to develop a set of standardized ITAAC that will be incorporated into regulatory guidance, and will be applied as a basis for future applications under Part 52.

General Details:

The meeting was scheduled from 8:30 a.m. - 4:30 p.m. EST for both Wednesday, January 21st and Thursday, January 22nd; however the meeting was completed at the end of the first day. Twelve NRC staff members attended. Approximately 21 members of the public participated in the meeting, both in-person and remotely using a teleconference line along with GoTo Meeting. All members of the public had the opportunity to ask questions and give input to the ongoing discussion.

Summary of Discussions:

The NRC staff began the meeting with a recap of the overall effort, and a brief summary overview of the status of the Standardized ITAAC project. Following that discussion, the standardized ITAAC lists that were made available for the meeting were discussed.

The first subject area discussed was Human Factors Engineering. Both industry and staff agreed that the proposed standardized ITAAC were acceptable. These ITAAC will be incorporated into the list of standardized ITAAC.

The Design Reliability Assurance Program (D-RAP) ITAAC were then discussed. NRC staff indicated that they are still reviewing the need to develop Standardized ITAAC for this area, and more evaluation is needed.

A number of editorial standards were proposed by industry made which would apply to all standardized ITAAC sections. Proposals were made to use the term “as-built” only in the Inspections, Tests, and Analyses (ITA) column, to use the phrasing “A report exists and concludes” only when a defined standard report is used, and to establish guidelines for the Tier 2 discussion sections. These items will be reviewed and implemented based on staff evaluations.

The next discussion focused on the standardized Containment ITAAC. Changes were requested to split the Containment Leak Rate Test ITAAC into two parts, with one requiring the Type A integrated leak rate test, and the other requiring the Types B and C local leak rate tests. Industry also proposed that the Containment Isolation Valve Closure Times ITAAC be removed, as this test is covered under standard ITAAC I09, “ESF Signal Initiation Test”. The ITAAC covering the As-Built Inspection of the Containment Isolation Valves was suggested for deletion as it does not meet the 1st principals due to not being associated with the performance of a top level safety function. The ITAAC covering Containment Free Volume was also recommended for deletion as it is design specific. These changes and deletions will be reviewed and evaluated by NRC staff.

The ASME ITAAC were covered next. Changes to this section were primarily editorial, and based largely on the editorial standards proposed by industry. The ASME Section III Code Class Reports initially contained language stating components “are fabricated, installed, inspected, and tested in accordance with the rules of construction of ASME Code Section III,” however requests were made to change the language to components “conform to the rules of construction of ASME Code Section III.” Additionally changes were proposed for multiple Tier 2 discussions. These changes will be reviewed and evaluated by NRC staff.

The last section that was planned for discussion covered the standard structural ITAAC. Industry proposed that ITAAC S01, Seismic Category I Structures, should not refer to the critical sections or loads specified in the design description, but should instead list the specific loads. Wording was also proposed to clarify the acceptance criteria for deviations between construction drawings and as-built structures. A second part to S01 was also proposed to which would capture the inspections of key dimensions, making S02 obsolete. Similar changes were proposed for the Radwaste Category [RW-XX] Structural Integrity ITAAC, to remove reference to Regulatory Guide 1.143, and instead list the specific design basis loads, and to clarify the acceptance criteria for deviations between construction drawings and as-built structures. Multiple ASME structural ITAAC were proposed for deletion as their requirements were satisfied through other ITAAC, and additional changes and edits were suggested throughout the standard structural list.

Action Items/Next Steps:

- NEI provided a marked up copy of the proposed changes to the sections discussed shortly after the meeting (provided in attachments below). These changes are being reviewed and evaluated by NRC staff for incorporation into the standard ITAAC list.
- NRC staff will continue to develop the standardized ITAAC, and will issue a draft list prior to the next public meeting in this series.
- The next public meeting is tentatively scheduled for late March/early April 2015.

Attachments:

- Meeting Notification - <http://adamswebsearch2.nrc.gov/webSearch2/view?AccessionNumber=ML15021A094>
- ASME Standard ITAAC for Jan 21. Meeting – [ML15015A224](#)
- Structural Standard ITAAC for Jan 21. Meeting – [ML15015A225](#)
- Containment ITAAC for Jan. 21 Meeting – [ML15015A223](#)
- HFE Standard ITAAC for Jan. 21 Meeting – [ML15015A226](#)
- Draft Proposed Standard ITAAC List Based on Comments From Meeting - [ML15035A301](#)

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Category 3 Public Meeting on Tier 1 ITAAC Related SMR Topics

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Bergman, Jana*	NRC
Burg, Robert*	EPM
Bryant, Barry*	Dominion
Campbell, Patricia*	GEH
Cozens, Ian	NRC
Dougherty, Lee*	GEH
Dumsday, Carl	NuScale
Fay, Thomas*	Flour
Hansing, Nicholas	NRC
Howard, Dan	Flour
Kay, Jim*	Areva
Kline, Steven W.	Bechtel
Istar, Ata	NRC
Jaworsky, Mari*	Duke Energy
Lentz, Tony	NuScale
Litchenkov, Dimitri	X-Energy
Miller, Keith*	Dominion
Nichol, Marc	NEI
Pope, Steven	NuScale
Robillard, Dave	PSEG
Scarbrough, Thomas*	NRC
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* Indicates remote participation via teleconference or Webinar.

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