

April 8, 2014

MEMORANDUM TO: Brian Anderson, Chief
ITAAC and Generic Communication Branch
Division of Construction Inspection
and Operational Programs
Office of New Reactors

FROM: Ian Cozens, Reactor Operations Engineer /RA/
ITAAC and Generic Communication Branch
Division of Construction Inspection
and Operational Programs
Office of New Reactors

SUBJECT: March 28, 2014; SMR TIER 1 TOPICS PUBLIC MEETING
SUMMARY

The NRC held a category 3 public meeting on March 28, 2014 to discuss improvements for the preparation, review, execution and closure of the inspections, tests, analyses, and acceptance criteria (ITAAC) for Small Modular Reactors (SMRs).

The meeting opened with a discussion on the Nuclear Energy Institute's (NEI) White Paper, dated March 14, 2014; in which NEI proposed a set of standardized ITAAC, and discussed associated ITAAC processes. The White Paper expounded upon topics which were previously discussed with NEI and industry at prior public meetings, and included an attachment containing a table of standardized ITAAC types.

The NRC's technical review staff provided feedback on NEI's proposed ITAAC types, and discussed areas where enhancements are needed. Proposed standardized ITAAC and revised SRP sections for Emergency Procedures (SRP 14.3.10) and Physical Security Hardware (SRP 14.3.12) were previously submitted and are provided via this summary. Plans to hold future public meetings to discuss proposed standardized ITAAC language by technical discipline were relayed to industry.

Discussions relating to the Design Reliability Assurance Program (D-RAP) and Human Factors Engineering (HFE) ITAAC occurred. An example model ITAAC was suggested based on DC/COL-ISG-018, "Interim Staff Guidance on Standard Review Plan Section 17.4, Reliability Assurance Program," however better wording was suggested to ensure that a clear path forward can be achieved to ensure that the components covered by D-RAP will have their complete design scope covered by the associated ITAAC. A proposed example Design Acceptance Criteria (DAC) HFE ITAAC was presented and discussed with comments from NRC staff regarding the use of DAC ITAAC for HFE. The example ITAAC and discussion are attached via this meeting summary.

CONTACT: Ian Cozens, NRO/IGCB
301-415-6203

Further evaluation is needed relating to the following items proposed by NEI:

1. Redefining SRP 14.3.x subsections based on needs and requirements
2. Deleting ITAAC for special tests for the first plant or first couple plants for a given design that are captured in the License Conditions
3. Revisions to administrative change process to reduce the need for License Amendment Request based on administrative changes such as changes to figures or component number change process

Slides presented by NRC can be seen in ADAMS under Accession No. [ML14087A369](#)

Slides presented by NEI can be seen in ADAMS under Accession No. [ML14087A368](#)

The NEI White Paper discussed can be found in ADAMS under Accession No. [ML14077A377](#)

The emergency planning standardized ITAAC can be seen in the existing SRP 14.3.10 in ADAMS under Accession No. [ML070730206](#)

The draft physical security hardware ITAAC criteria table can be seen in ADAMS under Accession No. [ML14097A274](#)

The proposed model D-RAP ITAAC discussion presented at the meeting can be seen in ADAMS under Accession No. [ML14097A275](#)

The Generic HFE ITAAC example and discussion presented at the meeting can be seen in ADAMS under Accession No. [ML14097A302](#)

The meeting notice can be found in ADAMS under Accession No. [ML14072A140](#)

A list of attendees is attached.

Please direct any inquiries to Ian Cozens at 301-415-6203, or via e-mail to Ian.Cozens@nrc.gov.

Enclosure:
List of Attendees

Further evaluation is needed relating to the following items proposed by NEI:

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5. Deleting ITAAC for special tests for the first plant or first couple plants for a given design that are captured in the License Conditions
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A list of attendees is attached.

Please direct any inquiries to Ian Cozens at 301-415-6203, or via e-mail to Ian.Cozens@nrc.gov.

Enclosure:
List of Attendees

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ADAMS Accession No. ML14097A387

NRC-001

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OFFICIAL RECORD COPY

List of Attendees

Category 3 Public Meeting on Tier 1 ITAAC Related SMR Topics

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Eric Oesterle	Bechtel
Dumsday, Carl	NuScale
Lentz, Tony	Bechtel
Williams, Mark	Westinghouse
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Davis, Bob	NRC/NRO
Cozens, Ian	NRC/NRO
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Frost, John	NRC/NSIR
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Patterson, Malcom	NRC/NRO
Degange, Jonathan	NRC/NRO
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LaVera, Ron	NRC/NRO
Spencer, Michael	NRC/OGC
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Liles, Darrell*	Senesusa
Hiremagalur, Jagannath*	Structural Integrity Associates
Ayres, David*	NRC/RII
Thomas, Ruth*	Public

* Indicates remote participation via teleconference or Webinar.

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