

Plan to Develop Identified Standards

Objective

Prepare for the 2018 NRC Standards Forum by addressing action items from the 2017 NRC Standards Forum.

Background

On September 26, 2017, the Regulatory Guidance and Generic Issues Branch in RES/DE held the second annual NRC Standards Forum. The purpose of the Standards Forum is to help identify needed standards within the nuclear industry that are currently not being addressed by standards development organizations (SDOs), and to collaboratively accelerate their development. The forum addressed topics for both operating and advanced reactors, with presenters identifying areas of interest for standards development, and facilitation and coordination between different sectors. The participants agreed to a list of action items based on the presentations and discussions. The most significant action item is to update the status of coalitions for and status of standards' development/revisions.

Scope

The scope of this project covers the action items identified during the 2017 Standards Forum and the topics for consideration from previous years. The deliverables will be used to develop a program for the 2018 Standards Forum.

Process for Code Development

During the Standards Forum, areas of interest for new or revised standards are discussed. SDO's are then tasked to identify Champions to explore interest within relevant committees. Forum participants volunteer to be part of coalitions that will work on the development of the standards. The NRC can also aide the SDO Champions to recruit additional coalition members such that all sectors are appropriately represented in the development process. The coalitions are tasked with developing the standards. Once coalitions have been adequately formed and the standards development has begun, the topic will be considered a success. If a decision is made that there is insufficient interest in forming a coalition, then the action will be considered completed.

Deliverables and Due Dates

Major Deliverable	Due Date
1. Updated list of topics with status of coalitions and development for Standards Forum (interim update in April 2018 after ANS workshop)	August 2018
2. List of standards requiring update or development for ANLWRs with prioritization.	July 2018
3. ANS-led workshop on ANLWRs	Q2, FY2018

Strategies to Plan for 2018 Standards Forum

- Consider topics that continue to require resources (e.g., coalition members and references)
- Consider NRC priorities (developed and vetted through the Standards Steering Committees)

Tasks with Completion Dates

1. Participants of the 2017 Standards Forum review the meeting summary with enclosures, and report any edits to NRC. [1/31/2018]
2. Participants complete action items, as assigned (ML17326B057). Many of the action items are clarifications. Action Items 1, 2, and 3 result in Deliverables 1, 2 and 3, respectively.

3. Deliverable 1: Topics list (topics identified in 2016 and 2017 Standards Forums, primarily identified by EPRI), complete the following for topics which have Champions have been identified.
 - a. Per the action item, additional coalition members may self-identify. [12/25/17]
 - b. NRC to determine needs related to each topic. Consider discussing with SDO Coordinators and Standards Steering Committee. If there is no need, NRC would recommend tabling topic for future forums. [2/15/2018]
 - c. NRC staff will work with SDO Champions to identify and recruit additional coalition members, if needed. [3/31/2018]
 - d. If the SDO is interested in obtaining EPRI reports, NRC staff will facilitate the flow of information between EPRI and the SDOs. [3/31/2017]
 - e. SDOs develop status and plans for confirmed coalitions and inform NRC. [3/31/2018]. NRC host conference calls to implement project plans, if desired.
 - f. NRC to merge list of topics from Standards Forums and previous NESCCs (Action 11e) [8/15/2018]. Include the following:
 - current status of each topic in the standards development/revision area,
 - coalition members,
 - recommendations of future actions, and
 - pertinent references.

4. Deliverable 2: Compile a list of standards for use in future ANLWRs.
 - a. NRC to compile list from Technical Working Group (TWG) presentations, and DOE/ORNL gap analysis for Sodium Fast Reactors (SFRs). [12/25/2017]
 - b. TWGs and DOE to review and prioritize complete list. [1/31/2018]
 - c. NRC prioritize complete list. [1/31/2018]
 - d. Discuss prioritized list at ANS workshop in early 2018. [3/31/2018]
 - e. The prioritized list will also be presented at the 2018 Standards Forum. [9/30/2018]

5. Deliverable 3: Conduct workshop for ANLWRs, led by ANS.
 - a. ANS and NRC to set time and date for workshop. [TBD]
 - b. ANS to conduct workshop. [3/31/2018]

References

- 2017 Standards Forum Meeting Summary (ML17326B054)
- Participants 2017 Standards Forum (ML17326B055)
- Detailed Summary 2017 Standards Forum (ML17326B056)
- 2017 NRC Standards Forum Action Item List (ML17326B057)
- 2016 and 2017 Topics List (ML17326B058)
- Current Topics (from NESCC meetings) (ML17326B059)
- List of Standards Identified for ANLWRs (ML17326B060)