

Standards Board (SB) Virtual Pre-Meeting

October 22, 2024

12:00 p.m. – 2:00 p.m. EASTERN

Attended	Voting Member Name	Role	Company
x	Todd Anselmi	Vice Chair (2023) At-Large (2026)	Idaho National Laboratory
x	Robert Becse	At-Large (2025)	Westinghouse Electric Company LLC
x	Robert Budnitz	At-Large (2026)	Consultant
x	Jennifer Call	At-Large (2027)	Tennessee Valley Authority
x	Brandon Chisholm	At-Large (2026)	Southern Company
x	Michelle French	Ex-Officio	Westinghouse Government Services
x	Gale Hauck	Ex-Officio	Oak Ridge National Laboratory
x	Dennis Henneke	Ex-Officio	GE Hitachi
x	Mark Joseph	Ex-Officio	Navarro Research & Engineering
x	Robert Kalantari	At-Large (2025)	Engineering Planning & Management, Inc.
x	Jean-Francois "Jef" Lucchini Alt: Maryann Stasko/Duke	Ex-Officio	Los Alamos National Laboratory
x	Carl Mazzola	Ex-Officio	Los Alamos National Laboratory
x	Benjamin Parks	At-Large (2027)	U.S. Nuclear Regulatory Commission
x	Frances "Frankie" Pimentel	At-Large (2026)	Nuclear Energy Institute
x	Andrew Smetana	Ex-Officio	Individual
x	Andrew Sowder	Chair (2023) At-Large (2026)	Electric Power Research Institute
	Kent Welter	At-Large (2026)	NuScale Power
	Larry Wetzel	Ex-Officio	Individual
16	16/18 Votes = 88.89% Participation		
Attended	Nonvoting Members and Guests Name	Role	Company
x	Jarvis Caffrey	HPS Liaison	NASA
x	Donald Eggett	Observer	Eggett Consulting, LLC
x	George Flanagan	Observer	Individual
x	Greg Hudson	Guest	Metcalfe PLLC
x	N. Prasad Kadambi	ANSI Liaison	Kadambi Engineering Consultants
x	Leah Parks	Observer	U.S. Nuclear Regulatory Commission

1. Welcome and Roll Call

Standards Board Chair Andrew Sowder called the meeting to order and welcomed all. Roll call was taken, and a quorum was achieved.

2. Approval of Agenda

The agenda was approved with the flexibility to move discussion items as needed to accommodate schedules.

3. SB Chair Remarks

A. Pre-Meeting Purpose

The purpose of this pre-meeting is to lighten the agenda for the Standards Board meeting scheduled on Tuesday, November 19, 2024, during the upcoming ANS Winter Conference.

B. Report Out From the 2024 U.S. Nuclear Regulatory Commission (NRC) Standards Forum

ANS along with other standards development organizations were invited to present at the NRC Standards Forum on September 25, 2024. Sowder's presentation at the Forum highlighted Standards Board initiatives, ANS standards on advanced reactors, recently issued standards, and support of the Advanced Reactor Codes and Standards Collaborative (ARCSC). The Forum introduced Christian Araguas as the new NRC Standards Executive. Leah Parks added that Araguas did a really good job of presenting NRC's initiatives and action plan. Slides from the Forum are publicly available. Members will be provided with the link to the presentations.

ACTION ITEM 10/2024-01: Pat Schroeder to provide members with the link to the presentations from the 2024 NRC Standards Forum presentations. (See <https://www.nrc.gov/pmns/mtg?do=details&Code=20240927>)

DUE DATE: November 1, 2024

C. Policy Task Group (PTG) Evaluation of Glossary Report

Sowder reminded members of the Glossary Report from the ad hoc group led by Mark Linn to evaluate the current ANS Standards Committee Glossary of Definitions and Terminology. The current version was issued in July 2023 covering definition of terms in published ANS standards through 2022. The Standards Board discussed the Glossary Report at their June 2024 meeting and tasked the PTG to make a decision on implementing the ad hoc group's recommendations. The PTG reviewed the Glossary Report and found that the reformatting of the definitions and terms into a table improved the readability of the Glossary and was much preferred. The ad hoc group's recommendations were thought to require significant resources to implement and should be considered at a later date when resources permit. The PTG directed Schroeder to incorporate the table format of the definitions and terms in the Glossary Report into the ANS Standards Committee Glossary of Definitions and Terminology and post the Glossary Report for consideration at a later date. Schroeder confirmed that she has made the format update to the Glossary and posted on the ANS website along with the Glossary Report. She stated the Glossary update was of format only and did not add any new terms and definitions. Schroeder will send members the links to the reformatted Glossary and the Glossary Report posted in the [Toolkit for ANS Standards Development and Maintenance](#).

ACTION ITEM 10/2024-02: Pat Schroeder to provide members the link to the reformatted [2022 ANS Standards Committee Glossary of Definitions and Terminology](#) and the [Glossary Report](#).

DUE DATE: November 1, 2024

D. ANS Funding Opportunity for Standards Priorities

Donations on the order of \$15,000 - \$20,000 have been received from ANS members that are allocated for standards use on high-priority standards and/or initiatives at the discretion of the Standards Board. It is not known if there will be additional funds in the future earmarked for standards. Standards Board members discussed how to fairly make a determination on how to

use the funds. Members were in agreement that a process (rubric) was needed to evaluate uses for the funds. The following motion was made:

MOTION: The Priority Task Group (PriTG) to 1) develop a process to use ANS funds, 2) to vet uses of the ANS funds, and 3) report suggestions to the Standards Board for concurrence.

The motion was discussed and then approved unanimously.

ACTION ITEM 10/2024-03: PriTG to 1) develop a process to use ANS funds, 2) vet uses of the ANS funds, and 3) report suggestions to the Standards Board for concurrence.
DUE DATE: June 1, 2025

Sowder reminded the group that the PriTG is already tasked with evaluating the input from the Advanced Reactor Codes and Standards Collaborative (ARCSC) surveys on standards gaps and needs, and that this task complements prioritization of standards for development, revision, or reissuance. Sowder also recognized that the PriTG currently comprises only the chair, Don Eggett and stated that he would ensure that additional members were identified. Carl Mazzola offered to join the PriTG to help with ACTION ITEM 10/2024-03. It was recognized that there was a conflict of interest for NRC representatives to participate in the activity of evaluating uses on ANS funding. Other members were asked to consider supporting this effort and let Sowder and Schroeder know.

ACTION ITEM 10/2024-04: Standards Board members to consider joining the PriTG to help with ACTION ITEM 10/2024-03 and let Andrew Sowder and Pat Schroeder know.
NOTE: Don Eggett to let Andrew Sowder know how many members he feels need to be recruited to the PriTG to 1) develop a process to use ANS funds, 2) vet uses of the ANS funds, and 3) report suggestions to the Standards Board for concurrence.
DUE DATE: November 15, 2024

E. Other Remarks

Sowder recognized that Dennis Henneke was inducted as the class of 2024 to the National Academy of Engineering (NAE). The NAE has several hundred members, but in the nuclear field, there are only three dozen. Henneke was also congratulated on his soon-to-be retirement from GE Hitachi.

4. SB Vice Chair Remarks

A. Status of Standards Committee Strategic Plan

Todd Anselmi completed the revision of the Standards Committee Strategic Plan, and it is ready for review. The Standards Committee Strategic Plan will be sent to the PTG for a quick one-week review before it is sent to the Standards Board for approval.

ACTION ITEM 11/2024-05: Pat Schroeder to send the Standards Committee Strategic Plan to the PTG for a week to review.
DUE DATE: October 22, 2024

B. Report Out from the Defense Nuclear Facilities Standards Board (DNFSB) Presentation
Anselmi represented ANS at the recent DNFSB public hearing on best practices in the management of aging safety infrastructure. Anselmi feels that ANSI/ANS-3.14-2021, *Process for Infrastructure Aging Management and Life Extension of Nonreactor Nuclear Facilities*, is a good demonstration for a standard filling a need for the industry. Don Eggett recalled aging management guidelines that were developed in the 1990s and questioned whether the DNFSB

was aware. Eggett added that these guidelines remain in use by utilities today. Anselmi replied that if Eggett's recollection is associated with the Generic Aging Lessons Learned that the NRC published as a result of the work Eggett may be referring to, then yes, he believes that the DNFSB is aware because this is an integral part of the standard and was part of the presentation made to the DNFSB. The Electric Power Research Institute also has guidelines on aging management. Andrew Sowder believes that all of this information has been tied together. Sowder thanked Anselmi for representing ANS so well.

5. Lessons Learned on Endorsement Request of ANSI/ANS-30.3-2022

Prasad Kadambi was expecting NRC staff to be more familiar with NRC documents that support ANSI/ANS-30.3-2022, *Light Water Reactor Risk-Informed, Performance-Based Design*. He felt that NRC staff had difficulty understanding why the standard is the way it is. The questions from NRC were very perplexing to him as he felt it showed a lack of understanding on the performance-based, decision-making process which is the basis for ANSI/ANS-30.3-2022. Kadambi added that the working group should be prepared to spend time and work with the NRC staff and not consider that their job is done when the standard is approved by the American National Standards Institute (ANSI). This extra work is important if we want the NRC to endorse our standards.

Andrew Sowder agreed that we can't just throw standards over the transom and expect NRC endorsement. With time passing, it is understandable that some knowledge is lost. As Michele Sampson, the past NRC Standards Executive, explained, NRC has a limited amount of resources and needs to use its resources wisely. ANS needs to have routine contact with NRC to let them know what is coming up, so they know the general context of ANS standards well ahead of receiving requests for endorsement. Sowder felt that the public meeting on ANSI/ANS-30.3-2022 was very cordial and provided a lot of opportunity to exchange discussion points.

It was questioned whether there was a list of actions that should be completed before submitting a standard to the NRC for endorsement. Kadambi feels that actions needed are different for every standard; ANSI/ANS-30.3-2022 is a different type of standard. All agreed that communication with NRC is key. Having an NRC representative on the working group would be helpful although it was recognized that NRC may not have the resources to assign an NRC representative on all working groups. The NRC representative on ANS-30.3 was initially William Reckley and changed to Sunil Weerakkody when Reckley retired. Benjamin Parks added that he looks for NRC representation on anything that comes to the Standards Board for approval. Dennis Henneke likes ANSI/ANS-30.3-2022 and thinks it is a good document, but he would have done it differently himself. Henneke reviewed NRC comments on ANSI/ANS-30.3-2022 and agreed with some of them. He added that most of the NRC folks are pretty good and should be given the benefit of the doubt before couching that they don't understand. Henneke understands that we can't have NRC representation on all projects but need to have NRC representation on standards we are looking for endorsement. Sowder clarified that it is ANS practice to ask for endorsement of all ANS standards.

6. Proposal for New Practice to Provide NDCCs Opportunity to Review Current Standards Issued for Reaffirmation

Dennis Henneke explained his concern with reaffirmations processed without the opportunity for other consensus committees to provide feedback. Recently a reaffirmation was processed on ANSI/ANS-58.8-2019 (R2024), *Time Response Criteria for Manual Actions at Nuclear Power Plants*. He feels that this standard is in need of revision and would have liked JCNRM to have been provided an opportunity to review and comment on the proposed reaffirmation. Minimally, Henneke would like consensus committee chairs to be made aware of reaffirmations to have input before the Standards Board is asked to approve the ballot process. Leah Parks thought that it would be easy to distribute a list of standards coming up for maintenance for the Standards Board to review. Andrew Sowder agreed with Parks' suggestion as this practice would be less intrusive. Kathy Murdoch maintains a

list of standards due for maintenance for each consensus committee that could be provided to the Standards Board annually.

The types of maintenance permitted by ANSI were reviewed. ANSI offers the maintenance options of continuous, periodic, and stabilized. Safety standards are not eligible for stabilized maintenance which may allow a standard to remain a current American National Standard over 10 years without maintenance. The continuous maintenance program requires standards to be in continuous revision so that revisions are issued every five years and reaffirmations are not needed. ANS is under the periodic maintenance program where maintenance is required every five years which includes the maintenance option of reaffirmation without any limitation on the number of times a standard can be reaffirmed.

ACTION ITEM 10/2024-06: Kathy Murdoch to send the Standards Board her spreadsheet with a list of standards due for maintenance annually at the end of each year.
DUE DATE: December 15, 2024

7. Review of Standards Board November 19, 2024, Agenda

The draft agenda for the November 19, 2024, Standards Board meeting was reviewed. Two changes were requested. The report on the formation of a joint RARCC-ESCC task group to explore siting standards needs for microreactors will be moved to the morning. Also, ANS-58.2, *Design Basis for Protection of Light Water Nuclear Power Plants Against the Effects of Postulated Pipe Rupture*, will be added to Agenda Item #10, High Priority Standards Needing to be Expedited.

8. Other/New Business

No other business was discussed.

9. Review of Action Items from This Meeting

Action items assigned during the meeting were reviewed.

10. Adjournment

The meeting was adjourned.