

## Standards Board (SB) Virtual Pre-Meeting (PM)

November 2, 2023

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)	Lawrence Berkeley National Laboratory (retired)
x	Jennifer Call	At-Large (2024)	Tennessee Valley Authority
x	Brandon Chisholm	At-Large (2026)	Southern Company
x	Michelle French	Ex-Officio	WECTEC
	Gale Hauck	Ex-Officio	Oak Ridge National Laboratory
x	Dennis Henneke	Ex-Officio	GE Hitachi
x	Robert Kalantari	At-Large (2025)	Engineering Planning & Management, Inc.
	Jean-Francois "Jef" Lucchini	Ex-Officio	Los Alamos National Laboratory
x	Carl Mazzola	Ex-Officio	Los Alamos National Laboratory
x	Frances Pimentel	At-Large (2026)	Nuclear Energy Institute
x	Mehdi Reisi-Fard	At-Large (2025)	U.S. Nuclear Regulatory Commission
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
x	Larry Wetzel	Ex-Officio	Individual
14	14/17 Votes = 82.35% Participation		

Attended	Nonvoting Member Name	Role	Company
x	Amir Afzali	Observer	Individual
x	Kelsey Amundson	Board Liaison	Los Alamos National Laboratory
x	Calvin Hopper	Observer	Individual
x	Mark Joseph	Observer/Acting NRNFCC Chair	Navarro Research & Engineering
x	N. Prasad Kadambi	RP3C Chair/ANSI Liaison	Kadambi Engineering Consultants
x	Mark Linn	Observer	Individual
x	Robert Youngblood	Guest	Idaho National Laboratory

### 1. Welcome and Roll Call

Roll call was taken, and a quorum was achieved. Standard Board (SB) Chair Andrew Sowder welcomed all and recognized the following new SB members:

- Todd Anselmi
- Robert Budnitz
- Brandon Chisholm
- Frankie Pimentel
- Kent Welter

## 2. Approval of Agenda

Amir Afzali asked to discuss three additional items including 1) protocol for representing/participating ANS (either working groups or committees, but particularly committees) in meetings, 2) process for selection of and length of time for serving as a committee's chairperson, and 3) protocol for compliance with ANS's position statements when developing and issuing standards. Expecting that time would not be sufficient to discuss these items during today's meeting, Andrew Sowder suggested that these items be added to the November 14, 2023, agenda. Afzali will be out of the country and likely not able to join the next meeting. Todd Anselmi offered to present on behalf of Afzali if he cannot be available for the November 14<sup>th</sup> meeting. The agenda was approved as presented with the additional items to be discussed at the next meeting.

ACTION ITEM 11/2023(PM)<sup>1</sup>-01: Pat Schroeder to add 1) protocol for representing/participating ANS (either working groups or committees, but particularly committees) in meetings, 2) process for selection of and length of time for serving as a committee's chairperson, and 3) protocol for compliance with ANS's position statements when developing and issuing standards to the November 14, 2023, Standards Board agenda.

DUE DATE: November 15, 2023

When questioned, it was confirmed that ANS members are welcome to join a SB meeting. Typically, the SB has met in person at national meetings with only occasional virtual meetings between. The physical meetings are announced in the meeting program. Interim meetings do not have the same platform for meeting announcements. Sowder stated that the intention of interim meetings is not to be less transparent but to cut down on the length of meeting time at the in-person meetings.

## 3. SB Chair Remarks

### A. Pre-Meeting Purpose

As mentioned earlier, the purpose of the pre-meeting is to lighten the load of agenda items at the in-person meeting and to give more time for lengthier discussions.

### B. Updated on the Advanced Reactor Codes & Standards Collaborative (ARCSC)

The Electric Power Research Institute (EPRI) and the Nuclear Energy Institute (NEI) helped shepherd the North American Advanced Reactor Roadmap (NAARR) which is intended to bring together the industry and focus on the issues to bring resolution to enable commercial deployment of advanced reactors. One of the elements of the NAARR is codes and standards. The intent is for the relevant standards development organizations (SDO) to take ownership of this activities. The initial workshop was held December 1, 2022. The priority item is to identify standards gaps for deployment of advanced reactors. To do this, the ARCSC issued a survey. Another hybrid workshop is scheduled for November 30, 2023, at EPRI in Washington D.C. The workshop will discuss the survey and path forward. The gap assessment is a follow up to NEI 19-03, "Advanced Reactors Codes and Standards Needs Assessment." The ARCSC is North American focused with efforts to broaden internationally. ANS and the American Society of Mechanical Engineers are founding members. Kate Hyam, ASME, and Larisa Logan, CSA Group, are the co-chairs. Don Eggett is the formal representative to the overall NAARR implementation group. Dennis Henneke questioned vendor participation, specifically advanced reactor vendors. Sowder explained that the stakeholders are the industry itself. Invitations issued are based heavily on EPRI and NEI distributions that include advanced reactor vendors. Whether or not the right people show up to the workshop is another question. Henneke added that the International Atomic Energy Agency harmonization effort has

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<sup>1</sup> (PM) = "Pre-meeting" to distinguish the action item number from action items that will be assigned at the 11/14/23 SB meeting.

been successful because the vendors are front and center. Sowder agreed that the activity will be of little value if the vendors don't participate. The proof will be in the follow up with survey feedback.

C. Update on Formation of the Executive Advisory Committee (EAC)

Sowder explained that the EAC initiative was started ahead of the ARCSC. His judgement is that we are reaching out to some of the same people as the ARCSC. Two overlapping groups being stood up at the same time provides a messaging and resources challenge. The EAC invite was being targeted to chief nuclear officers (CNOs) asking for a representative to be appointed. Sowder recommends putting EAC on hold until we see progress from ARCSC.

The following motion was made:

To put a hold on the EAC and allow the ARCSC to make progress before moving forward with the EAC.

Members discussed the purpose of the EAC versus the ARCSC. The EAC is intended to be broader than advanced reactors. Anselmi acknowledged that he did not have all the background on the EAC but made the motion based on priorities and resources which was echoed by Sowder. Dennis Henneke feels that the EAC and ARCSC would have different representatives from the same organization. Robert Budnitz explained the history. The SB received feedback that the process of initiating a standards product was not strategic enough. The EAC would provide needed industry input. Henneke suggested we understand the objectives of the ARCSC and determine if there is duplication once more is understood after the November 30<sup>th</sup> ARCSC Workshop, before making a final decision on the EAC. Amir Afzali doesn't see the SB in agreement on the formation of the EAC. If put on hold, the EAC could be revisited bi-annually. With no agreement, Anselmi retracted the motion for further discussion at the Standards Board meeting on November 14, 2023.

ACTION ITEM 11/2023(PM)-02: Pat Schroeder to add a discussion of the EAC on the November 14, 2023, Standards Board meeting agenda.

#### 4. Standards Board Initiatives

A. Status of Standards Committee Strategic Plan Revision/SMART Matrix Update



4A\_Anselmi\_CLEAN\_  
Simplification of SC !

Todd Anselmi reported that SB comments on the recent ballot of the Standards Committee Strategic Plan are being reviewed. He is working on incorporating comments into the Strategic Plan. The current Strategic Plan includes action statements and details. Anselmi is trying to pare down the Strategic Plan to a few goals and use the SMART Matrix for action statements to be in line with the ANS Strategic Plan. Anselmi is working to complete the revision to be circulated to the SB in advance of the November 14, 2023, meeting. Robert Budnitz recalled that the ANS Board of Directors (BOD) asked for the Standards Committee Strategic Plan to be more specific. Sowder questioned whether we should bounce off the proposed direction with Craig Piercy and possibly the BOD. SB members were in agreement to revise the Strategic Plan to be high level and maintain a separate document, the SMART Matrix, with actionable items.

ACTION ITEM 11/2023(PM)-03: Andrew Sowder and Pat Schroeder to inform Craig Piercy of plans to revise the Standards Committee Strategic Plan.  
DUE DATE: November 5, 2023

ACTION item 11/2023(PM)-04: Todd Anselmi to revise the Standards Committee Strategic Plan and provide to the SB prior to the SB November 14, 2023, meeting.  
DUE DATE: November 10, 2023

## B. Review of Standards Board Task Group Scope and Membership



4B\_TG\_ScopesMembers\_10-6-23.pdf

The embedded task group scopes and charters were briefly reviewed. Andrew Sowder can see the benefit of having a Priority Task Group to help implement feedback from the ARCSC survey. Members were encouraged to support one of the open positions on task groups.

## 5. Current and Emergent Issues

### A. Capturing Synergies of the LLWRCC and RARCC



5A\_Linn\_LLWRCC&RARCC\_Synergies RC

Mark Linn explained that the initiative on capturing synergies between the Large Light Water Reactor Consensus Committee (LLWRCC) and the Research and Advanced Reactors Consensus Committee (RARCC) came out of the LLWRCC based on conversations over the last few years. There are standards in the LLWRCC that have relevance to advanced reactors. There may also be benefit of work on the advanced reactors that could benefit the current light water fleet. LLWRCC also feels that the vast experience on the large light water reactor side would be of benefit to the advanced reactor community. A proposal was drafted and reviewed by the LLWRCC. Then the RARCC was engaged. Both consensus committee chairs feel that the proposal needs to be explored. The embedded report is a strawman to take the proposal to the next step to evaluate how to maximize the benefit. Michelle French stated that a meeting was held with her, Gale Hauck, Linn, and Pat Schroeder a while ago. The recommendation from the meeting was to have subcommittee chairs and other knowledgeable representatives to explore synergies and prepare a report for the SB. Right now the standards are very clearly placed within either the RARCC or LLWRCC. Linn added that the proposal needs a lot of thought by vested individuals.

### B. Standards Committee Structure

With industry changes, discussion of synergies between LLWRCC and RARCC, and challenges in finding leadership, Todd Anselmi proposed a question whether it was time to consider a reorganization. He thought that we may want to put together a task group with consensus committee chairs to see if there is a need to restructure. Medhi Resi-Fard suggested that it may be worthwhile to explore other processes to ensure coordination without restructuring. Anselmi added that ASME Board on Nuclear Codes and Standards is changing their names to better reflect the direction of the industry. Linn agreed that we need to look at the long-term future.

## 6. Improvement of the Standards Committee Glossary of Definitions and Terminology and Definitions (Action Item 6/2023-05)



6\_Linn\_Glossary\_PP  
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Mark Linn presented the embedded slides. He reminded members that an update of the Standards Committee Glossary of Definitions and Terminology was completed earlier this year and published in July after months of review meetings. During the process, the review group encountered several challenges. An ad hoc group was formed to look at the difficulties that surfaced. The ad hoc group is reformatting the glossary to make it easier to use. Linn expects to have more to share in the February/March 2024 timeframe. Larry Wetzel informed members that the Nuclear Criticality Safety Consensus Committee is looking at multiple definitions in ANS-8 standards.

## 7. RP3C Bylaws Update



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C\_Bylaws.pptx

Bob Youngblood presented the embedded slides. He has been tasked with updating the RP3C Bylaws as RP3C Vice Chair. Youngblood explained that Dennis Henneke brought up the fact that RP3C is not following the Bylaws leading to the revision. The Bylaws are 10 years old and outdated. They need to be clear on responsibilities and actions. They need to be updated and then followed. Youngblood slides have not been endorsed by the RP3C. The identified issues will be discussed at the upcoming RP3C meeting on November 13, 2023. Henneke would like more formality on RP3C balloting. While it is not a consensus committee, it is an ANS committee and should follow Roberts Rules of Order. Amir Afzali made reference to a standard practice used by large utilities with multiple sites and questioned whether something like this needs to be used for RP3C. He also questioned the authority of RP3C and who should define it. Andrew Sowder sees RP3C as a resource or advisory committee. He likened the role similar to the U.S. Nuclear Regulatory Commission's Advisory Committee on Reactor Safeguards that provides recommendations to the Commission which may or may not be accepted. Pat Schroeder clarified that RP3C's review of draft standards is part of the non-developing consensus committee (NDCC) review. Drafts are provided for review with an opportunity for members to comment. The ballot platform is used to collect comments so that they can be downloaded to a spreadsheet and provided to the working group to address, but it is not a formal approval ballot. Schroeder stated that the ballot description attempts to explain this but that it must not be clear if there are questions. Only the consensus committee that has management oversight for the project is required to approve the draft. This is Schroeder's understanding of the NDCC review process. If this is not the group's understanding, we need to change the process and possibly define RP3C's responsibility in the NDCC review procedure and in the RP3C Bylaws.

<p><b>ACTION ITEM 11/2023(PM)-05:</b> Pat Schroeder to add the discussion of the RP3C Bylaws to the SB November 14, 2023, meeting agenda. <b>DUE DATE:</b> November 10, 2023</p>
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## 8. Other/New Business

A. Harmonization of Structures, Systems, and Components (SSCs)



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The discussion on Harmonization of SSCs will be rescheduled.

**ACTION ITEM 11/2023(PM)-06:** Pat Schroeder to work with Andrew Sowder and Todd Anselmi to reschedule the discussion on Harmonization of SSCs.  
**DUE DATE:** November 10, 2023

**B. Other Business**

No other business was discussed.

**9. Review of Action Items from This Meeting**

Action items assigned during the meeting were reviewed.

**10. Future Meetings**

- Standards Board hybrid meeting during the 2023 ANS Winter Meeting in D.C. on November 14, 2023, 9:00am – 5:00pm EASTERN
- Standards Board post meeting via Zoom on December 4, 2023, 11:00am – 1:00pm EASTERN
- 2024 ANS Annual Meeting in Las Vegas, NV, at the Mirage from June 9-12, 2024
- 2024 ANS Winter Meeting in Orlando, FL, at the Renaissance at SeaWorld, November 17-21, 2024

**11. Adjournment**

The meeting was adjourned.