



MINUTES

Standards Board (SB)

July 28, 2016

Teleconference

Members Present:

George F. Flanagan, SB Chair & RARCC Chair, Oak Ridge National Laboratory
Steven L. Stamm, SB Vice Chair, Individual
James K. August, Member at Large, Southern Nuclear Operating Company
Gene Carpenter, LLWRCC Chair, U.S. Nuclear Regulatory Commission
Donald R. Eggett, FWDCC Chair, Individual
Calvin Hopper, Observer, Individual
Charles (Chuck) H. Moseley, Member at Large, Individual
Carl A. Mazzola, ESCC Chair, CB & I Federal Services
James O'Brien, NRNFCC Chair, U.S. Department of Energy
James Riley, NEI Liaison, Nuclear Energy Institute
R. David Sachs, Member at Large, Individual
Patricia (Pat) A. Schroeder, SB Secretary, American Nuclear Society
Andrew Smetana, SRACC Chair, Savannah River National Laboratory
Donald J. Spellman, IEEE/NPEC Liaison, Individual
William M. Turkowski, Member at Large, Westinghouse

Voting Members Absent:

Robert J. Budnitz, JCNRM Co-Chair, Lawrence Berkeley National Laboratory
Robert D. Busch, NCSCC Chair, University of New Mexico
N. Prasad Kadambi, RP3C Chair & ISO & ANSI Liaison, Individual
Andrew Sowder, Member at Large, Electric Power Research Institute
Edward Wallace, Member at Large, Individual

1. Roll Call

SB Chair George Flanagan called the meeting to order. Roll call was taken and a quorum was established.

2. Action Item Reports

See the action item report following these minutes for a full report of action items discussed as well as actions on the Standards Committee Strategic Plan SMART Matrix. New action items assigned on the call are listed below:

Action Item 7/2016-01: External Communications Task Group to determine a platform to present the nonmember standards education presentation.

DUE DATE: September 1, 2016

Action Item 7/2016-02: Pat Schroeder to check with the Planning Committee for guidance on completing Part B, C, and D of the Governance Plan.

DUE DATE: August 1, 2016

Action Item 7/2016-03: Pat Schroeder to include an item on the November SB meeting agenda to discuss the intent of Action Item 11/2015-33 for Andrew Sowder to look into EPRI and ASME active working groups regarding the topic of buried piping and report to the Standard Board if there is any area in which an ANS standard could be developed.

DUE DATE: November 1, 2016

Action Item 7/2016-04: Pat Schroeder to send consensus committee chairs a reminder to provide a list of standards that need to be added to the NRC Database (See Action Item 11/2015-18).

DUE DATE: July 28, 2016

Action Item 7/2016-05: Pat Schroeder to send consensus committee chairs a reminder to provide the status of standards ranked 11-20 on the 2015 standards priority survey (See Action Item 6/2016-18).

DUE DATE: July 28, 2016

Action Item 7/2016-06: William Turkowski to check with consensus committee chairs for feedback on the Professional Division Liaison program prior to the November SB meeting.

DUE DATE: November 1, 2016

Action Item 7/2016-07: Pat Schroeder to issue a poll to determine availability for a Policy Task Group teleconference the week of October 17 -21 to identify consensus committee metrics and to schedule a teleconference accordingly (See SC Strategic Plan SMART Matrix Goal 3.G)

DUE DATE: August 5, 2016

Action Item 7/2016-08: Pat Schroeder to send Donald Spellman a copy of NSN Brief for reference as a possible example of a short newsletter that could be provided to nuclear organizations to incorporate into their newsletter (See SC Strategic Plan SMART Matrix Goal 4.G).

DUE DATE: July 28, 2016

Action Item 7/2016-09: Pat Schroeder to check with the *Nuclear News* Publisher to see a list of standards in need of support can be included in the Standards and Documentation section of the magazine.

DUE DATE: July 28, 2016

3. Other Business

- A. Plan for 9/8/2016 U.S. Nuclear Regulatory Commission (NRC) Standards Forum
Members provided feedback for the NRC Standards Forum in advance of the teleconference. Steven Stamm confirmed that all feedback was combined and would be provided to the NRC. Andrew Smetana informed members that he has identified someone to lead a new working group for decay heat for fast reactors. The project has been assigned to the ANS-19 Subcommittee, and a Project Initiation Notification System (PINS) will be prepared. Gene Carpenter was asked to check with the NRC on how the invitations to the NRC Standards Forum will be issued and whether there was any limit on the number of individuals that could physically attend.

Action Item 7/2016-10: Gene Carpenter to check whether there is a limit of attendees at the NRC Standards Forum and to inform SB members.

DUE DATE: August 15, 2016

B. Other Business

George Flanagan stated that he was planning to participate in the Institute of Nuclear Power Operations (INPO) Engineering Vice President Meeting but hasn't heard anything recently. James

Riley confirmed that the meeting is scheduled for October 11, 2016. He would expect for meeting details to be issued in the near future once the agenda was finalized.

Flanagan expressed concern about the progress of the Risk-informed, Performance-based Principles and Policy Committee (RP3C) and stated that we needed further clarification on the Standards Application Platform. He noted that there were several open action items under RP3C.

Steven Stamm requested that the action item list be issued to those not on the call with a request to provide an update.

Action Item 7/2016-11: Pat Schroeder to issue the list of action items to those not on the call with a request to provide an update of their action items.
DUE DATE: August 5, 2016

Action Item 7/2016-12: SB members with open action items that were not on the 7/28/16 teleconference to provide a status update to George Flanagan and Steven Stamm.
DUE DATE: September 1, 2016

Stamm expressed concern with new standards proposals being considered under the Joint Committee on Nuclear Risk Management (JCNRM) and wanted to make sure that work was not started before this issue was addressed.

Action Item 7/2016-13: Pat Schroeder to set up a teleconference to discuss potential new JCNRM standards projects with George Flanagan, Steven Stamm, and Robert Budnitz.
DUE DATE: August 5, 2016

4. Adjournment

The call was adjourned.

Status Report of Action Items Discussed during 7/28/16 Teleconference

Action Item	Description	Responsibility	Status/Comments /Reassignments
6/2016-01	George Flanagan to request that NEI be represented in the advanced reactor teleconference. Due Date: September 1, 2016	George Flanagan	OPEN Meeting to be setup with Kelly and Uhle at NRC. Expected to be scheduled next week. They would prefer not to include others at this time. A second call will likely be scheduled and include others.
6/2016-02	ANS-20.2 and ANS-30.2 Working group chairs prepare an action plans to develop the standards within two years with a recommendation of an individual that could facilitate the development of the initial draft. (Action: CC Chair: George Flanagan) Due Date: September 1, 2016	George Flanagan	OPEN Flanagan confirmed that he made the request. Direction may be changed; plans may be needed for other standards.
6/2016-03	James Riley to help coordinate ANS work on advanced reactor standards with other SDOs and industry. Due Date: On-going	James Riley	On-going
6/2016-04	Robert Busch and Gene Carpenter to discuss with NRC Standards Executive suitable options for replacing/appointing NRC representation on working groups. Due Date: November 1, 2016	Robert Busch, Gene Carpenter	OPEN
6/2016-05	Steven Stamm to provide George Flanagan a markup of the revised SB Rule 7.1.4 (n) clarifying appointed member for his review before issuing to the SB for concurrence.	Steven Stamm, George Flanagan	CLOSED Rule issued for ballot and approved.
6/2016-06	Pat Schroeder to issue a one-week recirculation ballot of the revised rule for members' concurrence.	Pat Schroeder	CLOSED Ballot issued and rule approved.
6/2016-07	Steven Stamm to investigate the logistics and viability of creating a fee-based standards training program. Due Date: November 1, 2016	Steven Stamm	OPEN White paper prepared and working with ANS Marketing Director.
6/2016-08	Steven Stamm to develop the SC training approach and schedule for 2016-17. Due Date: September 15, 2016	Steven Stamm	OPEN Draft approach prepared and being finalized. Expecting to allow members to participate on their own through YouTube as well as scheduling additional live sessions with instructors.
6/2016-09 #0112	Steven Stamm to chair the 2017 SSA committee with two other appointed members and report SSA recommendations to the SB Chair. Due Date: May 1, 2017	Steven Stamm	OPEN

Action Item	Description	Responsibility	Status/Comments /Reassignments
6/2016-10	Steven Stamm to prepare a letter for George Flanagan to send to working group chairs with a request to inform the Standards Manager of all new or unique definitions when the standard is provided for CC ballot.	Steven Stamm	CLOSED Letter issued to chairs 6/20/16.
6/2016-11	Steve Stamm to develop criteria for consensus committee chairs to use for declaring consensus for approvals less than 2/3rds.	Steven Stamm	CLOSED Criteria prepared and issued for ballot.
6/2016-12	Internal Communication Task Group (ICTG) to prepare a short survey on associate members to be sent to working group chairs with associate members.	ICTG	CLOSED Survey issued. Results available here .
6/2016-13	External Communication Task Group (ECTG) to evaluate the need for additional coordination with other SDOs related to ANS work on advanced reactors.	ECTG	CLOSED To be discussed at NRC Standards Forum scheduled for 9/8/16.
6/2016-14	External Communications Task Group to evaluate and improve the process of notifying the public and NEI/utilities of standards development activities. Due Date: November 1, 2016	ECTG	OPEN
6/2016-15	Pat Schroeder to inform Ralph Hill and Rick Grantom that the SB approved a motion to dissolve the NRMCC.	Pat Schroeder	CLOSED
6/2016-16	Andrew Sowder to contact the Department of Commerce and James O'Brien to check with DOE to see if there is any interest in ANS developing an export control standard for nuclear. Due Date: September 1, 2016	Andrew Sowder James O'Brien	OPEN O'Brien sent an inquiry to DOE but received no response.
6/2016-17	William Reuland to explore the criteria/process needed for there to be benefit in converting an NEI guidance document, which is not going to be maintained, into a voluntary consensus standard and prepare a white paper.	William Reuland	CLOSED Stamm spoke with Reuland. Will be approaching from a priority of a standard first and then see if it happens to be an NEI document. Riley agreed that this approach was better. Members agreed to close this action.
6/2016-18	Consensus committee chairs to discuss the needed action on standards ranked 11-20 on the standards priority survey with their consensus committee and provide input at the SB meeting in November. Due Date: November 1, 2016	Consensus committee chairs	OPEN Budnitz responded that none fall under JCNRM. Mazzola provided a report.
6/2016-19	Steven Stamm to update the status of the top-ten priority standards and prepare a response to survey participants. Gene Carpenter and Andy Smetana to review and accept the table/responses provided by Steven Stamm.	Steven Stamm Gene Carpenter Andrew Smetana	CLOSED Prepared and issued for review to respondents.
6/2016-20	Gene Carpenter, Donald Eggett and James O'Brien to provide responses to assigned survey comments. Resolution table posted at https://docs.google.com/document/d/1ECabj7JmLA4LptfZ-rtAp1t3GnU4pNPhqtuuuVCfl0q/edit?pref=2&pli=1	LLWRCC (Gene Carpenter or Bill Reuland)	CLOSED

Action Item	Description	Responsibility	Status/Comments /Reassignments
6/2016-21	Pat Schroeder to update the progress on the Governance Plan and provide to the Planning Committee before the November 2016 meeting. Due Date: November 1, 2016	Pat Schroeder	OPEN
6/2016-22	Steven Stamm to finalize the Strategic Plan and send to George Flanagan and Pat Schroeder.	Steven Stamm	CLOSED Posted to website
6/2016-23	George Flanagan and Pat Schroeder to prepare a cover letter to accompany the Strategic Plan and send to the BOD.	George Flanagan, Pat Schroeder	CLOSED
6/2016-24	Prasad Kadambi to setup a teleconference/webinar for the RP3C task group to meet with the ANS-30.1 Working Group to discuss their questions and needs. CC chair to attend. Due Date: July 8, 2015	Prasad Kadambi (for RP3C TG), ANS-30.1 WG members, George Flanagan	OPEN
6/2016-25	Prasad Kadambi to send the SB the RP3C responses to ANS-30.1 questions. Due Date: July 1, 2015	Prasad Kadambi	OPEN
6/2016-26	Pat Schroeder to issue a poll for member's availability for a teleconference the end of July/beginning of August and scheduled accordingly.	Pat Schroeder	CLOSED Teleconference scheduled
6/2016-27	Internal Communications Task Group (ICTG) to propose a method to provide Professional Division liaison PINS forms. Due Date: September 1, 2016	ICTG	OPEN Turkowski confirmed that action item is in works.
6/2016-28	Pat Schroeder to add a standing agenda item for a report of Professional Division liaison activities. Due Date: November 1, 2016	Pat Schroeder	OPEN
6/2016-29	Prasad Kadambi to provided information to Andy Klein (after SB approval) to help him understand how ANS can be involved in conformity assessment. Due Date: November 1, 2016	Prasad Kadambi	OPEN
6/2016-30	External Communications Task Group (ECTG) to draft a letter to the NRC with a request for them to provide insight on why an exception may be taken when they endorse a standard.	ECTG	DELETED Upon review, it was determined that this effort is unnecessary. The types of reasons why the NRC takes exception to certain portions of a standard in its endorsement are obvious. The ECTG Chair, SB Chair, and SB VC felt that this action item should be deleted. Members agreed.
02/2016-03	Consensus committee chairs to provide input/suggestions on summary paper on providing responses to inquiries.	Consensus committee chairs	CLOSED CC chairs responded that they had no suggestions.
02/2016-05 #0118	Gene Carpenter to send Steven Stamm the NEA white paper on DID	Gene Carpenter	CLOSED Emailed during call.
02/2016-06	Pat Schroeder to draft a policy on chair responsibilities to incorporate letters of recognition to subcommittee chairs and their managers as appropriate	Pat Schroeder	CLOSED Draft policy being reviewed by SBVC.

Action Item	Description	Responsibility	Status/Comments /Reassignments
02/2016-07 #0119	Gene Carpenter to check with the NRC to see if they have reviewed ANSI/ANS-5.1-2014 and are considering replacing the reference of the ANS-5.1 1971 draft in 10CFR50, Appendix K. DUE DATE: August 1, 2016	Gene Carpenter	OPEN
02/2016-09 #0102	Donald Spellman to prepare grant proposals for ANS-30.1 and ANS-30.2 to have available for when a grant bid is announced (www.grants.gov).	Donald Spellman	CLOSED Next round of NRC grant bid notices to be issued in 11/16; no specific topics yet.
11/2015-12	External Communications Task Group (ECTG) to review standards education presentation and finalize.	ECTG	CLOSED Presentation issued to SB for review & comment; comments incorporated. New action item opened for ECTG to determine platform to make presentation.
11/2015-13	Action Item 11/2015-13: George Flanagan, Steven Stamm, RP3C/Prasad Kadambi, Pat Schroeder, Internal Communications Task Group (ICTG), External Communications Task Group (ECTG) to fulfill the objectives of the SB Objectives Plan as assigned and report progress through Workspace. DUE DATE: Varying (12-18 month plan)	George Flanagan, Steven Stamm, RP3C/Prasad Kadambi, Pat Schroeder, ICTG, ECTG	OPEN Workspace & ProjectView created to capture progress (link to Workspace) (link to ProjectView) (link to Project Activities)

Objective	Responsibility
1. Standards Prioritization	George Flanagan
2. ANS PD Sponsorship Program	Internal Communications TG
3. ANS Standards Committee Training Program	George Flanagan, Steven Stamm, and Pat Schroeder
4. Standards Educational Module for Non-Standards Developers	External Communications TG
5. Progress High Priority Standards 1) ANS-30.1 2) ANS-30.2	1) George Flanagan for Mark Linn 2) George Flanagan for Don Spellman
6. Establish approach for incorporation of risk-informed and performance based principles into ANS standards	RP3C/Prasad Kadambi
7. General	Steven Stamm

SEE DETAILED STATUS BELOW:

Status reported by objective below in all CAPS. Those that remain open are in red font.

Actions Objective 1 (Standards Prioritization) / George Flanagan

1. (July/August 2015): Launch Standards Priority Survey – SURVEY ISSUED / ACTION CLOSED
2. (September 2015): Draft executive summary of survey results; request input from consensus committee chairs. EXECUTIVE SUMMARY DRAFTED / ACTION CLOSED
3. (October 2015): Finalize Standards Priority Survey Executive Summary and provide to ANS Board of Directors. EXECUTIVE SUMMARY COMPLETED AND PROVIDED TO BOD WITH REPORTS SUBMITTED FOR NOVEMBER 2015 MEETING / ACTION CLOSED
4. (November 2015): Assign survey findings/recommendations to appropriate committees. FINDINGS AND




Action Item	Description	Responsibility	Status/Comments /Reassignments
<p>RECOMMENDATIONS ASSIGNED / ACTION CLOSED</p> <p>5. (June 2016): Responsible committee chairs report on status. OPEN</p> <p>6. (October 2016): Assess need and appropriate method(s) to seek current input on standards priorities. OPEN</p>			
<p>Actions Objective 2 (ANS Professional Division (PD) Sponsorship Program) / Internal Communications</p>			
<p>Task Group</p>			
<p>1. (December 2015): Evaluate ANS PDs for appropriate match with consensus committees. NEED EVALUATED AND CONTACT MADE / CLOSED</p> <p>2. (January 2016): Prepare and send sponsorship request letters to ANS PDs. ACTION IN WORKS / OPEN</p> <p>3. (June 2016): Consensus committee representatives attend ANS PD meetings to roll out program. OPEN</p> <p>4. (August 2016): Create PD Standards Review Committees (for maintenance of delinquent standards). OPEN</p> <p>5. (October 2016): Evaluate progress (i.e., number of PD sponsorships established; number of standards reviewed). OPEN</p>			
<p>Actions Objective 3 (ANS Standards Committee Training Program) / George Flanagan, Steven Stamm, and Pat Schroeder</p>			
<p>1. (August 2015): Finalize training presentations and post for Standards Committee member access. PRESENTATIONS FINALIZED AND POSTED / CLOSED</p> <p>2. (November/December 2015): Enlist instructors for web-based training program. COMMITMENTS FROM INSTRUCTORS RECEIVED; SCHEDULE BEING PREPARED / CLOSED</p> <p>3. (February 2016): Initiate series of web-based training presentations. CLOSED</p> <p>4. (June 2016): Evaluate participation in webinars and appropriate next action. CLOSED</p>			
<p>Actions Objective 4 (Standards Educational Module for Non-Standards Developers</p>			
<p>Responsibility: External Communications Task Group</p>			
<p>1. (November 2015): Create Standards Education Task Group to determine platform (webinar and/or technical session) to educate non-Standards Committee members about standards. Assigned to ECTG / CLOSED</p> <p>2. (January 2016): Initiate discussions with PDs on possibility of hosting standards educational technical session at November 2016 meeting. BOD PREFERS WEBINAR FORMAT – N/A</p> <p>3. (February 2016): Develop educational module/presentation and recruit instructor(s). OPEN</p> <p>4. (April 2016): Standards Education Task Group submits platform recommendation and draft module/presentation to the SB for review and approval. OPEN</p> <p>5. (May 2016): Educational module/presentation finalized. OPEN</p> <p>6. (June 2016): Launch web-based standards education program – if decision made to launch web-based program. OPEN</p> <p>7. (July 2016): Evaluate participation and input from web-based standards education program – if decision made to launch web-based program. OPEN</p> <p>8. (November 2016): Hold standards educational technical session – if PD sponsors technical sessions. BOD PREFERS WEBINAR / N/A</p>			
<p>Actions Objective 5 (Progress High Priority Standards)</p>			
<p>Responsibility: George Flanagan as RARCC Chair for Mark Linn and Donald Spellman for ANS-30.2</p>			
<p>1. ANS-30.1, “Risk-Informed and Performance-Based Nuclear Power Plant Design Process”</p> <p>a. (October 2015): Form ANS-30.1 Working Group. WORKING GROUP FORMED / CLOSED</p> <p>b. (June 2016): Complete initial draft for working group and subcommittee review. SPELLMAN CONFIRMED THAT AN INITIAL DRAFT HAD BEEN COMPLETED / CLOSED</p> <p>c. (June 2017): Finalize draft for first consensus committee review. OPEN</p> <p>2. ANS-30.2, “Structures, Systems, and Component Classification for Nuclear Power Plants” (title to be approved) OPEN</p> <p>a. (October 2015): Form ANS-30.2 Working Group. WORKING GROUP FORMED BUT IN NEED OF NRC REP / CLOSED</p>			

Action Item	Description	Responsibility	Status/Comments /Reassignments
	b. ((November 2015): Hold initial working group meeting. MEETING HELD DURING NOVEMBER 2015 MEETING / CLOSED c. (June 2016): Submit recommended approach to consensus committee. OPEN d. (June 2016): Complete first draft for working group review. OPEN		
Actions Objective 6 (Establish approach for incorporation of risk-informed and performance based principles into ANS standards) Responsibility: RP3C Chair Prasad Kadambi			
1. (October 2015): Identify pilot program and approach. PILOT IDENTIFIED AS INTEGRATED PACKAGE ON ANS-30.1, ANS-30.2, BEYOND DESIGN BASIS EVENT(BDBE), AND STANDARDS APPLICATION PLATFORM / CLOSED 2. (November 2016): Provide summary of lessons learned from pilot program. OPEN 3. (June 2017): Incorporate lessons learned into the Risk-Informed and Performance Based Plan. OPEN			
Actions – General Responsibility: Steven Stamm			
1. (October 2015): Draft five-year Standards Strategic Plan. DRAFT PREPARED / CLOSED 2. (May 2016): Finalize Standards Strategic Plan and provide to ANS Board of Directors. CLOSED 3. (October 2016): Prepare Part B, Executive and Results, and Part C, Self-Assessment and Narrative. NEXT ACTION BEING CONFIRMED / OPEN 4. (October 2016) Complete evaluation of top ten recommendations from standard including action items and schedules. CLOSED			
11/2015-18	Consensus committee chairs to review the NRC database and to provide any missing information/incorrect information to Pat Schroeder by January 31, 2016. Chairs will need to review two tables – one for “ANS” and the other for “ANSI/ANS.” (Database accessible at http://www.nrc.gov/about-nrc/regulatory/standards-dev/consensus.html) DUE DATE: August 1, 2016	Consensus committee chairs	OPEN Completed by: Robert Budnitz Carl Mazzola George Flanagan
11/2015-19	Pat Schroeder to combine the information from consensus committee chair and to send missing/incorrect information on ANS standards referenced in the NRC standards database to Carol Moyer at NRC. DUE DATE: August 15, 2016	Pat Schroeder	OPEN
11/2015-21	The LLWRCC to approve a PINS for a cybersecurity standard and forward to the standards manager. DUE DATE: August 1, 2016	Gene Carpenter	OPEN PINS in development
11/2015-23 #0111	James Riley to provide NRC crosswalk for guidance on NTTF Tier 1, 2, & 3 Recommendations.	James Riley	CLOSED
11/2015-25 #0109	Steven Stamm to revisit an ANS ITAAC standard in a year. DUE DATE: November 1, 2016	Steven Stamm	OPEN To be reconsidered
11/2015-32 #0100	Steven Stamm to talk to John Bess / Aerospace Nuclear Science and Technology Division to get more information about what standards are needed so that a determination could be made whether there is an opportunity for ANS to support. NOTE: Request made for PD to suggest a specific topic. Discussion expected at June 2016 ANS Annual Meeting. DUE DATE: December 1, 2016	Steven Stamm	OPEN Discussion not held at June 2016 PD meeting. To be discussed at November PD meeting.




Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2015-33 #0099	Andrew Sowder to look into EPRI and ASME active working groups regarding the topic of buried piping and report to the Standard Board if there is any area in which an ANS standard could be developed.	Andrew Sowder	<p>OPEN?</p> <p>Sowder spoke to EPRI SME. He confirmed that ASME does not address buried pipe in its standards. Also the NRC will likely NOT promulgate new regulations on buried pipe. However, a new standard would likely be pulled into license renewals by reference or as part of terms and conditions. Generally, utilities are wary of this indirect de facto form of regulation. Conclusion from EPRI SME is that buried pipe belongs to ASME, not ANS...and it is not clear that ASME should develop any on its end at this point.</p> <p>Stamm believes that the intent was not clear and this action item should be discussed in November. A request was made and an action item assigned for this item to be added to November SB agenda.</p>
11/2015-34 #0098	Prasad Kadambi and Ed Wallace to have a conference call by 11/30/2015 to develop responses to the ANS-30.1 questions submitted to RP3C and respond to the Working Group. DUE DATE: August 1, 2016	Prasad Kadambi, Ed Wallace	<p>OPEN</p> <p>Provided but WG does not feel sufficient.</p>
11/2015-35 #0096	Prasad Kadambi to work with Pat Schroeder to develop the ANS Standards Application Platform using the ANS Standards Committee Workspace by the June 2016 meeting. DUE DATE: November 1, 2016	Prasad Kadambi Pat Schroeder	OPEN
11/2015-36 #0095	Prasad Kadambi to provide the white paper to the consensus committees by June 2016. (Guidance how ANS standards should address BDBE.) DUE DATE: August 1, 2016	Prasad Kadambi	OPEN
11/2015-37 #0094	RP3C to provide all consensus committees the safety case design for review by the June 2016 meeting. DUE DATE: August 1, 2016	Prasad Kadambi/ RP3C	OPEN
11/2015-45 #0078	Donald Eggett to submit response to inquiry on ANS-55.1-55.6. DUE DATE: PAST DUE—NEED ASAP	Donald Eggett	<p>OPEN</p> <p>Eggett committed to provide the response by the end of August.</p>
6/2015-16 #0061 #0062	Steven Stamm and Gene Carpenter to review the NEA white paper on DID issued in December 2015, formulate a plan for the ANS approach, and reflect this in a revised white paper draft developed under Action Item 6/2014-08. DUE DATE: November 1, 2016	Steven Stamm, Gene Carpenter	OPEN

Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2014-07	Pat Schroeder to send a broadcast to student section members on getting involved in standards every other year – next time to be July 2016. DUE DATE: September 15, 2016	Pat Schroeder	On-going (Next broadcast 9/15/16)
11/2014-08	Pat Schroeder to create a similar solicitation broadcast to the YMG and NA-YGN. DUE DATE: September 15, 2017	Pat Schroeder	On-going (Next broadcast 9/15/2017) NOTE: YMG holding panel session on ANS standards at ANS November 2016 meeting.
11/2014-15 #0064	Andrew Smetana to work with Gene Carpenter to determine the appropriate contact at NRC to discuss the possibility of updating the endorsement of the 1971 decay heat standard (ANS-5.1) in 10CFR50, Appendix K, to the recently approved version – ANSI/ANS-5.1-2014. [Follow up action item to 6/2014-01]	Andrew Smetana	CLOSED Dialog took place and Carpenter working internally at NRC.
11/2014-16 #0065	Andrew Smetana to provide a comparison between the ANS-5.1 1971 draft and ANSI/ANS-5.1-2014 to the SB.	Andrew Smetana	CLOSED Article prepared and will be included in July/August NSN; submitted to NN Publisher for consideration.
6/2014-01 #0067	Andrew Smetana to start a dialog with the NRC to effect the rulemaking process to replace the reference to the 1971 decay heat standard (ANS-5.1) in 10CFR50, Appendix K, with a reference to the most current standard. <i>(Note: This should include the discussion of whether the NRC prefers to use the 2005 version or the pending revision.)</i>	Andrew Smetana	CLOSED Issue being addressed internally at NRC through Carpenter.




Preliminary SMART Matrix for ANS SC Strategic Plan – Updated during 7/28/16 Teleconference

Initiative	Assigned Responsibility (Functional Title)	Specific Measurable Success Outcome	Scheduled Completion Date	Actual Completion Date
KEY: Completed  Near Term  Overdue 				
Goal #1 Align Standards Development Priorsities with Current and Emerging Needs				
A. Evaluate the results of the initial industry priority survey	Standards Mgr	Executive Summary issued	1/2016	1/2016
B. Assign responsibilities to the appropriate consensus committees to address the top ten survey identified high priority standards	Standards Mgr	Issue list of high priority standards with assigned responsibilities. List discussed during 2/12/2016 conference call and published in minutes	2/29/2016	2/29/2016
C. Develop and implement an approach to collect industry priority needs on an ongoing basis and integrate them into standards committee priorities.	External Communications TG Chair	ANS SC Policy drafted to specify this approach and approved by SB	2/1/2017	
D. Incorporate risk-informed and performance-based methods in ANS standards, where appropriate, by: <ol style="list-style-type: none"> 1. Developing and demonstrating the Standard Application Platform (SAP) approach on at least one standard as a pilot effort 2. Incorporating the pilot approach and lessons learned from the approach into the Risk-Informed and Performance-Based Plan 3. Publishing a Nuclear News Article to inform other members of the Society of the benefits of this risk-informed and performance-based effort 4. Developing presentation materials that can be used to inform other industry groups as to the benefits and use of the ANS Standards Committee risk-informed and 	RP3C Chair	SB approval of pilot SAP program	6/ 2015	6/ 2015
	RP3C Chair	Pilot test standard Issued for CC ballot	11/1/2016	
	RP3C Chair	Incorporate approach and lessons learned into RP3C Plan and obtain approval by SB	6/1/2017	
	RP3C Chair	Nuclear News Article drafted, approved by SB Chair and forwarded to NN editor.	4/2/2017	
	RP3C Chair	Draft presentation received by SB chair.	4/2/2017	




Preliminary SMART Matrix for ANS SC Strategic Plan – Updated during 7/28/16 Teleconference

Initiative	Assigned Responsibility (Functional Title)	Specific Measurable Success Outcome	Scheduled Completion Date	Actual Completion Date
KEY: Completed  Near Term  Overdue 				
performance based standards activities	RP3C Chair	SB chair approval of presentation.	3/1/2018	
	RP3C Chair	Contact appropriate organizations to make presentations at NRC RIC, ANS UWC and Owner's groups	3/1/2018	
	RP3C Chair	Make presentations at a minimum of 2 groups	3/1/2018	
Goal #2: Develop and Maintain High Quality Standards				
A. Enhance the relationships with the ANS Professional Divisions and Technical Groups to assist in populating WGs with expert individuals. (also supports Goal 5)	Internal Communications TG Chair	Issue interface liaisons table between applicable divisions and group and the Standards consensus committees.	8/1/2016	6/1/2016
	CC Chairs	Send requests for staffing assistance to ANS Professional Divisions and Technical Groups as needed.	Ongoing	
	Internal Communications TG Chair	Tabulate the summary of the requests made and the results and present to Standards Board.	11/1/2016 (@ SB Meeting) 8/1/2017	
B. Develop and Implement a standards training program for all Standards Committee members to ensure that standards development is consistent with current policies and procedures, thus, producing	Internal Communications TG Chair	Develop initial presentations and post on Workspace	3/1/2016	3/1/2016
	SB VChair	Assign training instructors	3/1/2016	3/1/2016




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Initiative	Assigned Responsibility (Functional Title)	Specific Measurable Success Outcome	Scheduled Completion Date	Actual Completion Date
KEY: Completed  Near Term  Overdue 				
consistently better quality products in a timelier manner.				
	SB VChair	Prepare Training Plan	2/1/2016	2/1/2016
	Standards Mgr	Send out training notices	3/15/2016	3/15/2016
	Standards Mgr	Complete the initial rounds of training presentations	6/2/2016	6/2/2016
SB VChair	Select videos for use in future training presentations	6/2/2016	6/2/2016	C. Assign a mentor to each new standards working group that is experienced in the use of ANS standard's procedures, policies, glossary and tool kit
CC Chair	Evaluate SubC Chairs for familiarity with toolkit/standards development	5/1/17		
CC Chair	Select SubC chairs and other CC members with respect to their being well versed in toolkit contents and capable of being mentors. Provide mentor list to SB VChair	5/1/17		
CC Chair	In cases, where additional assistance is required beyond the SubC Chair, CC should request mentor from SB VChair.	6/1/17 Ongoing		
Goal #3: Improve Standards Development Production and Efficiency				




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A. Expedite development of high-priority standards by improving Standards Board and consensus committee oversight using achievable project plans and definitive schedules with assigned milestones throughout the standards development cycle.	SB VChair	Draft Project Plan development policy	10/1/2016	
	SB VChair	Project Plan development Policy approved by SB	12/1/2016	
	CC Chairs	Develop Project Plans for 6 standards and submit to consensus committees	6/1/2017	
B. Complete the Standards Volunteer Database to facilitate recruiting personnel for Standards Committee activities (also supports Goal #5)	ANS IT Dept.	ANS IT complete ANS SC Volunteer Data Base in accordance with the SB specification	11/1/2017	
	ANS IT Dept.	SB Approves data base submitted by ANS IT department	2/1/2018	
C. Assist the consensus committees in obtaining required human resources using outreach initiatives	Standards Mgr	Develop Staffing Approach guideline and post to website toolkit.	12/1/2016	
D. Maximize use of the ANS Standards Workspace and other communications vehicles to eliminate the need for travel and face-to-face meetings to the maximum extent possible	CC Chairs	Encourage WGs and SubCs to use workspace and other online and electronic tools to eliminate face-to-face meetings	Ongoing	
	CC Chairs	CC chairs to submit a report regarding the reduction in face to face WG and SubC meetings.	5/1/2017	
E. Acquire funding (e.g., grants) to support the development of high-priority standards on an expedited basis.	CC Chairs/ Priority TG Chair	High priority standards list submitted by all CCs which Identifies high priority standards planned for near future. Priorities should be based on expected government need.	11/1/2016	




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	SB VChair	Work with CCs to assess each effort, select most appropriate standards, prepared and submit proposals. .Submit 1 st proposal.	6/1/2017	
F. Streamline the reaffirmation process to reduce the number of delinquent standards by establishing a systematic review of delinquent standards to start no later than the 4-year mark. This can be accomplished through the following mechanisms: 1. Automatically sending out a Reaffirmation Form to the WG chair with copies to subcommittee chair and consensus committee chair 2. Automate subcommittee and consensus committee approvals of reaffirmation, withdrawal, and revision recommendations 3. Establishing an ANS Professional Division and Technical Group sponsorship program to aid in review of associated delinquent standards with and without active working groups	Standards Mgr	Submit reaffirmation forms to WG/SubC chairs for all standards approaching the 4 year mark.	Ongoing Starting 4/1/2016	Ongoing
	Standards Mgr	Issue list of all standards over 4 year since issuance showing the issuance of Reaffirmation Forms to the WG, SubC, and CC chairs as well as the SB on a quarterly basis.	11/1/2016	
	Standards Mgr	Action items/reminders for reaffirmation (i.e., list of delinquent standards) to be distributed quarterly.	Ongoing	
	Internal Communications TG Chair	Issue plan and approach to each Professional Division and Technical Group as applicable and obtain indication of acceptance.	11/10/2016	




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G. Develop subcommittee/consensus committee metrics to identify opportunities for improvements	Policy TG Chair	Identify CC metrics, review with CC Chairs	10/1/2016 Action item assigned to schedule teleconference week of Oct. 17-21.	
	CC Chairs	Each CC fill in annual tabulated metric performance	5/1/2017	
	Policy TG Chair	Evaluate metric results	6/1/2017	
	CC Chair & Policy TG Chair	Provide recommendations for changes to improve performance	6/1/2017	
Goal #4: Expand ANS Awareness and External Outreach				
A. Use periodic survey methods to gain feedback from industry, federal and state agencies; provide feedback to survey responders	SB VChair	Submit draft of survey comment responses to SB Chair for approval	8/1/2016	7/26/2016
	SB Chair	Send responses to commenters	10/1/2016	
	External Communications TG Chair	Determine survey frequency for future ANS and industry surveys.	10/1/2016	




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B. Establish periodic leadership meetings with regulatory agencies, owner’s groups and industry executives to align needs, and build support for development and greater use	External Communications TG Chair	Discuss communications approach with each of the applicable organizations (industry, federal and state agencies)	Ongoing To be discussed @ NRC Std Forum	
	External Communications TG Chair	Develop and issue master SC external communications plan	5/1/2017	
C. Establish an ANS Professional Division sponsorship program to broaden input in setting standards priority	Internal Communications TG Chair	Issue plan and approach to each Professional Division and Technical Group as applicable and obtain indication of acceptance.	10/1/2016	
D. Seek liaison arrangements with relevant SDOs, where needed, to improve efficiency, effectiveness and consistency of standards across the industry where overlapping or interlocutory standards arise	External Communications TG Chair	Prepare a liaison list identifying each desired liaison interface, the liaison approach and the implementation status.	10/1/2016	
	External Communications TG Chair	Implement all liaisons on the Liaison Interface List.	10/1/2016	
E. Establish an approach to keep industry and trade groups advised of approved standards and in-progress standards in their areas of interest	External Communications TG Chair	Issue an Industry and Trade Group Interface Plan.	10/1/2016 NRC Std Forum may support this interface.	
	External Communications TG Chair	Complete plan implementation	6/1/2018	
F. Identify key international organizations	External	Develop listing of key international organization,	6/1/2017	




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that can contribute to specific ANS standards development projects, including work group participation, review of draft standards, and providing input into standards prioritization.	Communications TG Chair	key contacts and the desired interfaces we would like to develop.		
	External Communications TG Chair	Send invitation letter to each of the interface contacts. Follow-up as needed	10/1/2017	
	External Communications TG Chair	Provide completion report to SB.	10/1/2018	
G. Establish a standards educational program for non-Standards Committee members to increase their knowledge of: <ol style="list-style-type: none"> 1. what consensus standards are, and are not; 2. benefit of consensus standards to the industry; 3. advantages to companies, federal and state agencies, and individuals of supporting standards development 	External Communications TG Chair	Develop presentation package	6/1/2016	6/1/2016
	External Communications TG Chair	Develop invitation list for indoctrination sessions	8/1/2016	
	External Communications TG Chair	Send indoctrination session invitations	10/1/2016	
	External Communications TG Chair	Conduct 1 st indoctrination session	2/1/2017	
	External Communications TG Chair	Complete sessions	11/1/2017	
H. Contact leading nuclear companies to determine if they issue regular newsletters and offer to provide	External Communications TG Chair	Develop list of companies and contacts	11/1/2016	

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standards updates for inclusion.	External Communications TG Chair	Develop short form newsletter.	11/1/2016	
	External Communications TG Chair	Make contact with 30% and report to SB	4/1/2017	
	External Communications TG Chair	Make contact with 100% and report to SB	11/1/2017	
I. Evaluate the cost effectiveness of a fee based training program for newly issued/ revised standards.	SB VChair	Prepare draft evaluation plan.	8/1/2016	7/26/2016
	SB VChair	Meet with ANS Membership & Marketing Director and revise plan as appropriate.	8/3/2016	
	SB VChair	Complete evaluation and send report to SB Chair for discussion with BOD.	3/1/2017	
Goal #5: Improve Industry Representation and Sustainability of Working Groups, Subcommittees, and Consensus Committees				
A. Approach owners' groups and industry organizations soliciting member participation in ANS standards	Standards Mgr	Send Owners Groups semi-annual updates on applicable standards activities	Ongoing	
	Standards Mgr	Request staffing assistance for select standards	Ongoing	
B. Send notices to ANS Student Section				

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members, Young Member Group, Professional Division members, and North American-Young Generation Nuclear members to provide opportunities to participate in ANS standards	Standards Mgr	Send notices biannually	Ongoing Biannually	
C. Enhance the relationships with the ANS Professional Divisions and Technical Groups to assist in populating WGs with expert individuals.(See Goal #1)		.(See Goal #1)		
D. Advertise upcoming standards efforts with requests for support using <i>Nuclear News</i> , Nuclear Café, and ANS Linked-In Group	Standards Mgr	Advertise upcoming standards efforts with requests for support using <i>Nuclear News</i> , Nuclear Café, and ANS Linked-In Group	Ongoing	
E. ANS IT Department to complete the Standards Volunteer Database, and make it available to subcommittee and consensus committee chairs (See Goal #3)		(See Goal #3)		
F. Monitor consensus committee and working group success in staffing and recruitment and share best practices across all consensus committees	SB VChair	Develop standard report and provide to CC chairs.	12/1/16	
	CC Chairs	Submit semi-annual report using format provided	12/1/16+Ongoing	
	SB VChair	Evaluate results of CC reports at SB meeting	6/30/2017+Ongoing	