



Standards Board (SB)

February 12, 2016

Teleconference

12:00pm to 3:00pm EST

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
- Robert J. Budnitz, JCNRM Co-Chair, Lawrence Berkeley National Laboratory
- Gene Carpenter, LLWRCC Chair, U.S. Nuclear Regulatory Commission (NRC)
- Donald R. Eggett, FWDC Chair, Individual
- N. Prasad Kadambi, RP3C Chair & ISO & ANSI Liaison, Individual
- Charles (Chuck) H. Moseley, Member at Large, Individual
- James O'Brien, NRNFCC Chair, U.S. Department of Energy (DOE)
- James Riley, NEI Liaison, Nuclear Energy Institute (NEI)
- R. David Sachs, Member at Large, Individual
- Patricia (Pat) A. Schroeder, SB Secretary, American Nuclear Society (ANS)
- Andrew Sowder, Electric Power Research Institute (EPRI)
- Edward Wallace, Member at Large, Individual

Voting Members Absent:

- Robert D. Busch, NCSCC Chair, University of New Mexico
- Carl A. Mazzola, ESCC Chair, CB & I Federal Services
- Andrew Smetana, SRACC Chair, Savannah River National Laboratory
- William M. Turkowski, Member at Large, Westinghouse

1. Roll Call

SB Chair George Flanagan called the meeting to order. Roll call was taken and a quorum was established. Flanagan stated that the teleconference was scheduled to review action items since time did not permit discussion of action items at the November 11, 2015, SB meeting.

2. Action Item Report

See the action item report following these minutes for a full report of action items discussed and assigned. Action items discussed at length and new action items assigned during discussions are provided below:

11/2015-08: Consensus committee chairs are directed to respond to survey responses within their purview by the end of March 2016.

STATUS: Actions on the top ten priorities were reported as follows:

Rank	Title or Topical Area (Alpha/Numeric # if assigned)	Responsible Consensus Committee/Chair Report
#1	Criteria for Severe Accident Evaluation (ANS-58.15)	SRACC: No report.

#2	Design Criteria for Safe Shutdown Following Selected Design Basis Events in Light Water Reactors (ANS-58.11)	LLWRCC: Gene Carpenter stated that he'd follow up.
#3	Risk-Informed and Performance-Based Nuclear Power Plant Design Process (ANS-30.1)	RARCC: George Flanagan reported that an initial draft of ANS-30.1 had been completed.
#4	Post-Accident Monitoring (ANS-TBD)	LLWRCC: Gene Carpenter stated that he'd follow up.
#5	Standard for Level 1/Large Early Release Frequency Probabilistic Risk Assessment for Nuclear Power Plant Applications (ASME/ANS RA-S)	JCNRM: Robert Budnitz reported that the next edition was on target; the working group was scheduled to meet the following week.
#6	Design Requirements for Light Water Reactor Spent Fuel Facilities at Nuclear Power Plants (ANS-57.2)	FWDC: Donald Eggett reported that the working group was completing ANS-57.3 first and would then begin ANS-57.2. Completion of a draft of ANS-57.2 was expected by the end of the year.
#7	Containment Hydrogen Control (ANS-56.1)	LLWRCC: Gene Carpenter stated that he'd follow up.
#8	Properties of Planning, Development, Conduct, and Evaluation of Drills and Exercises for Emergency Preparedness at Nuclear Facilities (ANS-3.8.7)	LLWRCC: Project on hold until reviewed by DOE.
#9	Properties of Radiological Emergency Response Plans and Implementing Procedures and Maintaining Emergency Response Capability for Nuclear Facilities (ANS-3.8.3)	LLWRCC: Project on hold until completion of ANS-3.8.7.
#10	Determining Design Basis Flooding at Power Reactor Sites (ANS-2.8)	ESCC: Carl Mazzola reported that the draft of ANS-2.8 was expected to be issued for ballot shortly.

11/2015-13: George Flanagan, Steven Stamm, Risk-informed, Performance-based Principles and Policy Committee (RP3C)/Prasad Kadambi, Pat Schroeder, Internal Communications Task Group (ICTG), ECTG to fulfill the objectives of the SB Objectives Plan as assigned and report progress through Workspace (12-18 month plan)

STATUS: See the status as reported by objective below in all CAPS.

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 RECOMMENDATIONS ASSIGNED / ACTION CLOSED
5. (June 2016): Responsible committee chairs report on status. OPEN
6. (October 2016): Assess need and appropriate method(s) to seek current input on standards priorities. OPEN

Actions Objective 2 (ANS Professional Division (PD) Sponsorship Program) / Internal Communications Task Group

1. (December 2015): Evaluate ANS PDs for appropriate match with consensus committees. NEED EVALUATED AND CONTACT MADE / COMPLETED

2. (January 2016): Prepare and send sponsorship request letters to ANS PDs. ACTION IN WORKS / OPEN
3. (June 2016): Consensus committee representatives attend ANS PD meetings to roll out program. OPEN
4. (August 2016): Create PD Standards Review Committees (for maintenance of delinquent standards). OPEN
5. (October 2016): Evaluate progress (i.e., number of PD sponsorships established; number of standards reviewed). OPEN

Actions Objective 3 (ANS Standards Committee Training Program) / George Flanagan, Steven Stamm, and Pat Schroeder

1. (August 2015): Finalize training presentations and post for Standards Committee member access. PRESENTATIONS FINALIZED AND POSTED / COMPLETED
2. (November/December 2015): Enlist instructors for web-based training program. COMMITMENTS FROM INSTRUCTORS RECEIVED; SCHEDULE BEING PREPARED / OPEN
3. (February 2016): Initiate series of web-based training presentations. OPEN
4. (June 2016): Evaluate participation in webinars and appropriate next action. OPEN

Actions Objective 4 (Standards Educational Module for Non-Standards Developers

Responsibility: External Communications Task Group

1. (November 2015): Create Standards Education Task Group to determine platform (webinar and/or technical session) to educate non-Standards Committee members about standards. IN DEVELOPMENT / OPEN
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
3. (February 2016): Develop educational module/presentation and recruit instructor(s). OPEN
4. (April 2016): Standards Education Task Group submits platform recommendation and draft module/presentation to the SB for review and approval. OPEN
5. (May 2016): Educational module/presentation finalized. OPEN
6. (June 2016): Launch web-based standards education program – if decision made to launch web-based program. OPEN
7. (July 2016): Evaluate participation and input from web-based standards education program – if decision made to launch web-based program. OPEN
8. (November 2016): Hold standards educational technical session – if PD sponsors technical sessions. BOD PREFERS WEBINAR / N/A

Actions Objective 5 (Progress High Priority Standards)

Responsibility: George Flanagan as RARCC Chair for Mark Linn and Donald Spellman for ANS-30.2

1. ANS-30.1, “Risk-Informed and Performance-Based Nuclear Power Plant Design Process”
 - a. (October 2015): Form ANS-30.1 Working Group. WORKING GROUP FORMED / COMPLETED
 - b. (June 2016): Complete initial draft for working group and subcommittee review. SPELLMAN CONFIRMED THAT AN INITIAL DRAFT HAD BEEN COMPLETED / COMPLETED

Action Item 2/2016-01: Donald Spellman to provide Prasad Kadambi and Ed Wallace a copy of the ANS-30.1 draft.

- c. (June 2017): Finalize draft for first consensus committee review. OPEN
2. ANS-30.2, “Structures, Systems, and Component Classification for Nuclear Power Plants” (title to be approved) OPEN
 - a. (October 2015): Form ANS-30.2 Working Group. WORKING GROUP FORMED BUT IN NEED OF NRC REP / COMPLETED

- b. ((November 2015): Hold initial working group meeting. MEETING HELD DURING NOVEMBER 2015 MEETING / COMPLETED
- 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 / COMPLETED
- 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 / COMPLETED
- 2. (May 2016): Finalize Standards Strategic Plan and provide to ANS Board of Directors. PLAN BEING FINALIZED; DUE DATE COULD BE TIGHT / OPEN
- 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. OPEN

Action Item 2/2016-02: Pat Schroeder to request a list of confirmed working group members from Sacit Cetiner.

Action Item 2/2016-03: Consensus committee chairs to provide input/suggestions on summary paper on providing responses to inquiries.

11/2015-48: David Sachs to discuss with the International Committee how to target standards solicitations to international member companies.

STATUS: Sachs provided input to this action item. With a poor response to a past solicitation to 600 emails, many to international members, he proposed a combination of 1) inviting some of the international member companies to ANS national meetings; 2) inviting member companies to ANS topical and/or embedded meetings; 3) SB members attending member company meetings; and 4) advertising in member company magazines. Schroeder suggested that some of these efforts may overlap the charter of other ANS committees (meetings, marketing, international, etc.) and that it would be appropriate for our outreach to have a standards focus. The following motion was made:

MOTION:

To consider David Sachs' recommendations and include in the strategic plan.

The motion was approved unanimously.

This action item was closed with a new action item opened to integrate the recommendations into the strategic plan as appropriate.

Action Item 2/2016-04: Steven Stamm (with help from Carl Mazzola, Chuck Moseley, and Ed Wallace to integrate David Sachs' recommendations on targeting standards solicitations to international member companies into the SB strategic plan.

Action Item 2/2016-05: Gene Carpenter to send Steven Stamm the NEA white paper on DID.

Action Item 2/2016-06: Pat Schroeder to draft a policy on chair responsibilities to incorporate letters of recognition to subcommittee chairs and their managers as appropriate.

Action Item 2/2016-07: 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.

Action Item 2/2016-08: Pat Schroeder to send Andrew Smetana a request for an update on action items related to ANS-5.1.

Action Item 2/2016-09: 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).

3. Other Business

Pat Schroeder explained a proposal by ANS leadership to support the DOE's funding opportunity on advanced reactors. The proposal is for funding to expedite development of standards for advanced reactors. A white paper was prepared and will be used by Craig Piercy, the ANS Washington Representative, when meeting with John Kotek at DOE. The proposal included funds for a paid facilitator, volunteer travel, and staff support. Flanagan reported that he mentioned this proposal to Southern Company and Xcel Energy. He stated that Southern Company may be interested if a strong business plan was presented.

Action Item 2/2016-10: Pat Schroeder to report on Craig Piercy's meeting with John Kotek, U.S. Department of Energy, regarding the funding proposal for ANS to expedite advanced reactor standards.

4. Adjournment

The call was adjourned.

Status Report of Action Items February 12, 2016

(Many action items not discussed at 11/20/15 meeting due to lack of time.)

Action Item	Description	Responsibility	Status/Comments /Reassignments
02/2016-01	Donald Spellman to provide Prasad Kadambi and Ed Wallace a copy of the ANS-30.1 draft. DUE DATE: February 29, 2016	Donald Spellman	OPEN
02/2016-02	Pat Schroeder to request a list of confirmed working group members from Sacit Cetiner. DUE DATE: February 29, 2016	Pat Schroeder	OPEN
02/2016-03	Consensus committee chairs to provide input/suggestions on summary paper on providing responses to inquiries DUE DATE: April 1, 2016	Consensus committee chairs	OPEN
02/2016-04	Steven Stamm (with help from Carl Mazzola, Chuck Moseley, and Ed Wallace) to integrate David Sachs' recommendations on targeting standards solicitations to international member companies into the SB strategic Plan DUE DATE: May 1, 2016	Steven Stamm	OPEN
02/2016-05	Gene Carpenter to send Steven Stamm the NEA white paper on DID DUE DATE: February 29, 2016	Gene Carpenter	OPEN
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 DUE DATE: June 1, 2016	Pat Schroeder	OPEN
02/2016-07	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: June 1, 2016	Gene Carpenter	OPEN
02/2016-08	Pat Schroeder to send Andrew Smetana a request for an update on action items related to ANS-5.1. DUE DATE: February 29, 2016	Pat Schroeder	OPEN
02/2016-09	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). DUE DATE: July 1, 2016	Donald Spellman	OPEN
02/2016-10	Pat Schroeder to report on Craig Piercy's meeting with John Kotek, U.S. Department of Energy, regarding the funding proposal for ANS to expedite advanced reactor standards. DUE DATE: June 2016 Meeting	Pat Schroeder	OPEN
11/2015-01	John Fabian to combine nonmember/member survey responses and create new charts.	John Fabian	CLOSED
11/2015-02	Pat Schroeder to revise survey summary to include new charts/figures.	Pat Schroeder	CLOSED
11/2015-03	Pat Schroeder to draft thank you letter to survey responders on behalf of SB Chair George Flanagan.	Pat Schroeder	CLOSED

Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2015-04	Pat Schroeder to arrange issuance of thank you letter with link to survey results.	Pat Schroeder	CLOSED
11/2015-05	Pat Schroeder to post survey summary on public website.	Pat Schroeder	CLOSED (link to survey)
11/2015-06	Pat Schroeder to facilitate placement of a notice with the survey summary link in Notes & Deadlines & LinkedIn.	Pat Schroeder	CLOSED
11/2015-07	Pat Schroeder to prepare a brief article on the survey summary for inclusion in ANS News.	Pat Schroeder	CLOSED The article is scheduled to be published in the March/April 2016 newsletter.
11/2015-08	Consensus committee chairs are directed to respond to survey responses (priorities and recommendations) within their purview by the end of March 2016. DUE DATE: March 31, 2016	Consensus committee chairs	OPEN
11/2015-09	John Fabian to collect chair responses to survey findings/results and create a response document that will be distributed to survey submitters. DUE DATE: April 15, 2016	John Fabian	OPEN
11/2015-10	George Flanagan to get input from the BOD on the platform for a standards educational program.	George Flanagan	CLOSED BOD members were questioned at the November 2015 meeting. Members did not favor a standards educational workshop at an ANS meeting but were receptive to a standards education presentation by webinar.
11/2015-11	Pat Schroeder to draft an education program presentation for the External Communications Task Group to finalize.	Pat Schroeder	CLOSED The presentation was drafted and provided to the ECTG for review and to be finalized.
11/2015-12	External Communications Task Group (ECTG) to review standards education presentation and finalize. DUE DATE: March 31, 2016	ECTG	OPEN

Action Item	Description	Responsibility	Status/Comments /Reassignments
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 George Flanagan for Don Spellman	
6. Establish approach for incorporation of risk-informed and performance based principles into ANS standards		2) RP3C/Prasad Kadambi	
7. General		Steven Stamm	
11/2015-14	Pat Schroeder to find an appropriate place on Workspace to capture progress on the SB Governance Plan.	Pat Schroeder	CLOSED (link to Workspace) (link to ProjectView) (link to Project Activities)
11/2015-15	Donald Spellman to provide Steven Stamm the strategic plan materials from Caroline McAndrews.	Donald Spellman	CLOSED
11/2015-16	Steven Stamm with two additional members (at his discretion) to incorporate SB member suggestions on the strategic plan and revise accordingly. DUE DATE: May 1, 2016	Steven Stamm	OPEN Stamm recruited Carl Mazzola, Chuck Moseley, and Ed Wallace to help. The revision is in development.
11/2015-17	Steven Stamm to chair the 2016 SSA Selection Committee with Andrew Smetana and Chuck Moseley as members and report SSA recommendations to the SB Chair. DUE DATE: May 1, 2016	Steven Stamm	OPEN
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: February 29, 2016	Consensus committee chairs	OPEN Completed by: Robert Budnitz Carl Mazzola George Flanagan

Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2015-19	Pat Schroeder 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: April 1, 2016	Pat Schroeder	OPEN
11/2015-20	Action Item 11/2015-20: Steven Stamm to find a chair for the proposed cybersecurity standard.	Steven Stamm	CLOSED Steven Stamm recruited Sacit Cetiner to serve as the working group chair of the proposed standard.
11/2015-21	The LLWRCC to approve a PINS for a cybersecurity standard and forward to the standards manager. DUE DATE: March 31, 2016	Gene Carpenter	OPEN PINS in development
11/2015-22	Steven Stamm to provide the list of individuals interested in cybersecurity standards to the LLWRCC Chair; Pat Schroeder to setup the group.	Steven Stamm	CLOSED
11/2015-23	James Riley to provide NRC crosswalk for guidance on NTTF Tier 1, 2, & 3 Recommendations. DUE DATE: April 1, 2016	James Riley	OPEN
11/2015-24	Andrew Smetana to report research findings on a severe accident analysis standard back to the SB for discussion at the June 2016 meeting DUE DATE: April 1, 2016	Andrew Smetana	OPEN
11/2015-25	Steven Stamm to revisit an ANS ITAAC standard in a year. DUE DATE: November 2016	Steven Stamm	OPEN This action item will be reviewed by the end of 2016.
11/2015-26	Pat Schroeder to provide James Riley the Excel spreadsheet of NEI guidance document with a crosswalk of ANS standards.	James Riley	CLOSED
11/2015-27	Steven Stamm to review the list of NEI guidance documents and provide James Riley a shortened list of older documents within the scope of ANS which are high priority areas and which NEI is unlikely to have an active task group.	Steven Stamm	CLOSED
11/2015-28	James Riley to identify which if any of the NEI documents on the shortened list do not have active working groups and would benefit from ANS/SDO taking over maintenance. DUE DATE: May 1, 2016	James Riley	OPEN Being reviewed.
11/2015-29	Steven Stamm/James Riley to identify standards representatives on NEI active working groups. DUE DATE: May 1, 2016	Steven Stamm James Riley	OPEN Being reviewed.

Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2015-30	Steven Stamm, Donald Eggett, and Donald Spellman to participate on a teleconference with James Riley and others at NEI to discuss a mutually beneficial ANS/NEI collaboration. DUE DATE: May 30, 2016	Steven Stamm, Donald Eggett, Donald Spellman, James Riley	OPEN The two preceding action items need to be completed before a teleconference can be scheduled to discuss a mutually beneficial ANS/NEI collaboration.
11/2015-31	Carl Mazzola to research what standards may be needed related to the application of radiation for medical purposes as suggested by the Biology and Medical Division and if they can be covered within the ANS charter as it excludes standards for medical purposes.	Carl Mazzola	CLOSED
11/2015-32	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: July 1, 2016	Steven Stamm	OPEN Stamm reported that he talked to Bess and explained the Standards Committee organization. Stamm asked that the Aerospace Nuclear Science and Technology Division identify a standard. Bess agreed to take that request back to the division. Stamm expected more feedback after the June 2016 meeting.
11/2015-33	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: June 1, 2016	Andrew Sowder	OPEN Sowder reported that he had initiated contact but no response was received. He expected to have feedback by the June 2016 SB meeting.
11/2015-34	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: April 1, 2016	Prasad Kadambi, Ed Wallace	OPEN Kadambi reported that Wallace was working with ANS-30.1 Working Group Chair Mark Linn.

Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2015-35	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: June 1, 2016	Prasad Kadambi Pat Schroeder	OPEN Kadambi stated that he expected to have the format prepared by the June meeting
11/2015-36	Prasad Kadambi to provide the white paper to the consensus committees by June 2016. (Guidance how ANS standards should address BDBE.) DUE DATE: June 1, 2016	Prasad Kadambi	OPEN Kadambi stated that he was working with Robert Youngblood to prepare a white paper on BDBE.
11/2015-37	RP3C to provide all consensus committees the safety case design for review by the June 2016 meeting. DUE DATE: June 1, 2016	Prasad Kadambi/ RP3C	OPEN Kadambi reported that he was working with Robert Youngblood to prepare a safety case.
11/2015-38	Prasad Kadambi to revise the RP3C presentation slides to delete all items referring to the JCNRM on page 106 and resubmit to Pat for inclusion in the final minutes.	Prasad Kadambi	CLOSED
11/2015-39	Prasad Kadambi and Ed Wallace to have a discussion with Robert Budnitz and Rick Grantom about their thoughts on JCNRM oversight.	Prasad Kadambi, Ed Wallace, Robert Budnitz	CLOSED The action item was closed as it would be addressed through the rules and procedures issued for ballot.
11/2015-40	Prasad Kadambi and Ed Wallace to have a discussion with George Flanagan and Steven Stamm regarding the need for JCNRM oversight. DUE DATE: April 1, 2016	Prasad Kadambi, Ed Wallace, George Flanagan, Steven Stamm	OPEN
11/2015-41	Robert Budnitz reconsider the need for a transition plan to reassign NRMCC responsibilities.	Robert Budnitz	CLOSED
11/2015-42	George Flanagan, Steven Stamm, Chuck Moseley, and William Turkowski to evaluate the arguments for and against disbanding the NRMCC and provide a recommendation to the SB for discussion at the June 2016 meeting. DUE DATE: June 1, 2016	George Flanagan, Steven Stamm, Chuck Moseley, William Turkowski	OPEN
11/2015-43	Prasad Kadambi to request time on the BNCS February 2016 agenda to address the committee on retaining the NRMCC.	Prasad Kadambi	CLOSED Kadambi reported that he made the requested and believed that it would be granted.
11/2015-44	Pat Schroeder to send the summary paper on providing responses to inquiries to consensus committee chair with a request for their input.	Pat Schroeder	CLOSED

Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2015-45	Donald Eggett to submit response to inquiry on ANS-55.1. DUE DATE: February 29, 2016	Donald Eggett	OPEN
11/2015-46	Donald Eggett to submit response to inquiry on ANS-57.1. DUE DATE: February 29, 2016	Donald Eggett	OPEN
11/2015-47	George Flanagan to solicit a chair for the External Communications Task Group.	George Flanagan	CLOSED Accepted by D. Spellman.
11/2015-48	David Sachs to discuss with the International Committee how to target standards solicitations to international member companies.	David Sachs	CLOSED
11/2015-49	Pat Schroeder to provide George Flanagan and Steven Stamm the list of action items she captured for their review prior to circulating the action items to the members.	Pat Schroeder, George Flanagan, Steven Stamm	CLOSED
6/2015-09	Donald Spellman to check with IEEE/NPEC about the possibility of developing a joint standard on cybersecurity.	Donald Spellman	CLOSED A decision was made to develop an ANS standard on cybersecurity.
6/2015-10	The LLWRCC and RARCC chairs to consider citing regulation 10 CFR 73.54 as an approach to include high-level cybersecurity requirements in its safety criteria standards.	LLWRCC Chair, RARCC Chair	CLOSED
6/2015-11	Donald Spellman to review the introduction to the new NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," (Part 0) as a guide which recommends a four-box categorization process as a possible option for ANS-30.2-- proposed standard on SSC classification.	Donald Spellman	CLOSED
6/2015-16	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: April 1, 2016	Steven Stamm, Gene Carpenter	OPEN With agreement of the SB members, this action item was amended.
6/2015-18	George Flanagan to inform NEI/James Riley that the conservatism in ANSI/ANS-5.1-2014, "Decay Heat Power in Light Water Reactors," was reduced.	George Flanagan	CLOSED
6/2015-20	RP3C to address ANS-30.1 WGC Mark Linn's questions.	Prasad Kadambi/ RP3C	CLOSED
6/2015-21	RP3C to pilot the Standards Application Platform with ANS-30.1, "Risk-Informed and Performance-Based Nuclear Power Plant Design Process."	Prasad Kadambi/ RP3C	CLOSED

Action Item	Description	Responsibility	Status/Comments /Reassignments
6/2015-23	Prasad Kadambi and Donald Eggett to identify standards in development that show value added to utilities and inform the Special Committee on Utility Engagement to encourage their participation.	Prasad Kadambi, Donald Eggett	CLOSED Special Committee on Utility Engagement dissolved.
6/2015-26	Pat Schroeder to provide Carl Mazzola, George Flanagan, and Steven Stamm a copy of the draft ANS/NEI MOU to review before providing to Gene Grecheck.	Pat Schroeder	CLOSED The review was performed and the draft MOU was deemed insufficient and not worthwhile to be sent.
6/2015-30	George Flanagan to request feedback from ANS leadership on the usefulness of white papers provided to them in advance of the NRC meeting, to confirm that they were sufficient, and if not, to determine how the white papers should be revised to be beneficial.	George Flanagan	CLOSED
11/2014-01	William Reuland to consider developing a new standard on ITAAC within the LLWRCC. (Reassignment of Action Item 6/2014-11).	William Reuland	CLOSED
11/2014-04	Consensus committee chairs to issue letters of recognition to subcommittee chairs and their managers as appropriate.	consensus committee Chairs	CLOSED A recommendation was made to develop a policy of chair responsibilities to incorporate this direction; new action item opened.
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: July 31, 2016	Pat Schroeder	On-going (Next broadcast 7/31/16)
11/2014-08	Pat Schroeder to create a similar solicitation broadcast to the YMG and NA-YGN. DUE DATE: July 31, 2016	Pat Schroeder	On-going (Next broadcast 7/31/17)
11/2014-11	Prasad Kadambi and Ed Wallace to create a task group within the RP3C to address the issue of creating a BDBE standard and report back to the SB. The task group should use Steven Stamm's draft white paper (Attachment 6 of 11/2014 Minutes) as reference. This action item replaces Action Item 6/2014-13.	Prasad Kadambi, Ed Wallace	CLOSED
11/2014-14	SB members let Steven Stamm and Pat Schroeder know if they can serve as primary instructor or backup instructor for webtraining sessions.	SB Members	CLOSED

Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2014-15	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] DUE DATE: June 1, 2016	Andrew Smetana	OPEN
11/2014-16	Andrew Smetana to provide a comparison between the ANS-5.1 1971 draft and ANSI/ANS-5.1-2014 to the SB. DUE DATE: June 1, 2016	Andrew Smetana	OPEN
11/2014-17	Andrew Smetana to ask ANS-5.1 Working Group Chair Ian Gauld to prepare an article about the new version of ANSI/ANS-5.1-2014 for <i>Nuclear News</i> or other suitable ANS publication (<i>Notes & Deadlines, ANS News, Nuclear Standards News</i>) DUE DATE: June 1, 2016	Andrew Smetana	OPEN
11/2014-18	Consensus committee chairs to work with subcommittee chairs to prepare a short article about any standard in need of subject matter experts to be maintained or initiated. The article should include details of why the standard needs to be maintained (revision/reaffirmation) or initiated and include its importance and benefit to the industry, expertise needed, etc. Articles to be provided to Pat Schroeder.	Consensus committee chairs	CLOSED
11/2014-19	Pat Schroeder to work with the ANS Publication Information Department, Nuclear News staff, and ANS News staff to disseminate articles on ANS standards needing volunteer support from subcommittee chairs in appropriate ANS media/publications.	Pat Schroeder	CLOSED
6/2014-01	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> DUE DATE: June 1, 2016	Andrew Smetana	OPEN
6/2014-03	Each consensus committee chair to appoint a maintenance coordinator to be responsible for tracking maintenance needs of each consensus committee.	Consensus committee chairs	CLOSED
6/2014-24	Internal Communications TG to review the old NFSC division liaisons list and reinstitute the ANS professional division representative program. (Old NFSC professional division liaison list to be provided to ICTG by Pat Schroeder.)	Internal Communications TG	CLOSED

Action Item	Description	Responsibility	Status/Comments /Reassignments
11/2012-04	Donald Spellman to begin development of one or more grants for ANS support. Projects to be considered for a grant proposal include ANS-2.8 (Flood Hazards), ANS-3.13 (Reliability Assurance Program), ANS-57.11 (Fuel Cycle Facilities), and advanced reactors.	Donald Spellman	CLOSED Follow up action item opened.