

### **Members Present**

William Burchill, *RISC Chair, Texas A&M University*  
Dimitrios Cokinos, *Member at Large, BNL*  
Peter S. Hastings, *Member at Large, Duke Energy*  
Calvin M. Hopper, *N16 Chair, Oak Ridge National Laboratory*  
Carl Mazzola, *In-Coming NFSC Chair, Shaw Environmental and Infrastructure, Inc.*  
Jack Roe, *NEI Liaison*  
R. Michael Ruby, *Member at Large, Constellation*  
Patricia Schroeder, *Standards Administrator, American Nuclear Society*  
Donald J. Spellman, *Out-Going NFSC Chair, ORNL*  
Stephen Shepherd, *Member at Large, South Edison Company/SONGS*  
Steven Stamm, *Member at Large, Stone and Webster*  
R. Michael Westfall, *Member at Large, ORNL*  
Michael J. Wright, *Member at Large, Entergy*

### **Members Absent**

N. Prasad Kadambi, *Chair, NRC*  
James F. Mallay, *Vice Chair, Individual*  
Tawfik M. Raby, *N17 Chair, NIST*

### **Guests**

Joseph Green, *Stone & Webster*  
Andy Smetana, *Savannah River National Lab*  
C.D. "Tom" Thomas, *Individual*

#### **1. Call to Order**

Don Spellman called the meeting to order and introductions were made. Spellman informed the Board that Carl Mazzola was elected NFSC Chair at the NFSC meeting on Monday, June 5, 2006. Mazzola's replacement of Spellman as NFSC chair allowed him to take over the Standards Board Vice Chair position from Jim Mallay.

#### **2. Approve Agenda**

The agenda was approved as submitted.

#### **3. Approval of Meeting Minutes from November 15, 2005, Washington, DC**

The minutes were approved with one change to the second paragraph of the RISC report on Page 4. The word "integrated" was added so the sentence would read: "It was determined that the integrated requirements standard should be postponed until all four individual standards are published."

#### **4. Discuss and Resolve Action Items**

See list of action items at end of minutes.

#### **5. Standards Board Chair's Report**

##### **Report on International Standards Activities**

Don Spellman informed the Board that a SC 6 meeting was planned in Ottawa in 2 weeks. He along with Mike Westfall and Tawfik Raby would be in attendance. Spellman discussed a previous meeting with an IAEA associate who thought IAEA standards went through a consensus process. Consequently Spellman has sent some emails and gotten people interested. These documents should be considered technical documents. There

will be a meeting on harmonization of international standards. The ISO/IAEA MOU will be reviewed.

#### Report to Board of Directors

The Board of Directors Report, prepared by Standards Board Chair Prasad Kadambi, was read. Spellman explained that Kadambi wanted to provide a positive reflection of the Standards Committee activities – see Attachment A.

#### Report on Status of Draft NRC/SDO MOU

Spellman explained that the NRC/SDO MOU is on hold because a policy to gain NRC endorsement of standards has been deemed more important. Spellman reported that Kadambi asked to open an action item on endorsement. Spellman stated the endorsement issue would be a good item to discuss with the SDO group once formed.

Action Item 6/06-01: Prasad Kadambi and Don Spellman to work on policy for gaining NRC/SDO endorsement.
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Steve Shepherd suggested that the endorsement process be open to DOE as well. Bill Burchill questioned the process that ASME or IEEE used with NRC to gain endorsement of their standards. Spellman stated that he'd have to check with Kadambi on that issue.

Action Item 6/06-02: Donald Spellman check with Prasad Kadambi for an endorsement procedure that other SDOs may already have with NRC.
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Additionally Burchill asked if there was a process for endorsement of a draft. In general, the Board anticipated many problems associated with the NRC endorsing a draft.

### **6. Nuclear Risk Management Coordinating Committee**

Don Spellman informed the Board that as of June 2006 he has become a member of the NRMCC representing ANS. As his membership has just started, he has not yet attended a meeting.

### **7. ANS Strategic Plan**

Spellman reviewed the ANS Strategic Plan for standards. Goal A is to expand resources for professional development and knowledge exchange by expanding the range of standards development and cooperation. Initiative A2.1 is to explore specific areas for broadening ANS cooperative activities with other Standards Developing Organizations (SDOs) and government agencies. Spellman explained that in response to this initiative, he has proposed to Dick Black, DOE, that funding be provided so SDOs can get together and consider industry needs over the next 10 years then divide up the work to eliminate duplication. SDO charters offer some help in this area, but with new construction, additional needs will have to be addressed. Furthermore Spellman proposed to have NRC directly linked with the new standards. Spellman stated that ASME has already gotten funds from the Office of Nuclear Energy under DOE.

Initiative A2.2 calls for increased ANS involvement in leadership of ISO/TC-85/SC-6 (reactor technology). Initiative A2.3 requires expansion of the scope of activities related to new plant initiatives. Spellman explained that new plant activities are more specific to the NFSC. Coordination with NEI through Jack Roe will be beneficial in this area. Calvin Hopper suggested seeking INMM involvement as well. Steve Shepherd recommended we include the Federal Energy Regulatory Commission (FERC). Spellman added that we should include IEEE and take it internationally as well.

### **9. Secretary's Reports**

Pat Schroeder reviewed the provided written report – Attachment B. The 2005 Standards Committee Report of Annual Activities was distributed to the Board along with the following four reports: Standards Status Report, Delinquent Standards Report, Active Standards Report, Sales Report.

A few questions were asked about the pricing of standards, copyright protection, IHS and the ICONS program. Bill Burchill recommended that ANS staff conduct a benchmark study that encompassed copyright protection of paper and electronic copies of ANS standards, pricing policy, ANS contract with IHS vs. ASME contract with IHS, and number of ANS standards printed through IHS.

Action Item 6/06-03: Pat Schroeder to conduct a benchmark study that encompasses the copyright protection of paper and electronic copies of ANS standards, pricing policy, ANS contract with IHS vs. ASME contract with IHS, and number of ANS standards printed through IHS.

Mike Ruby suggested sending a letter regarding copyright policies to management of standards users and utility CEOs. Burchill recommended the letter be sent under the name of the ANS President.

Don Spellman discussed a potential option of corporate sponsorship for ANS standards program to bring in new revenue. He stated that he'd need to discuss with Prasad Kadambi before taking to Bill Naughton, ANS Treasurer.

Action Item 6/06-04: Don Spellman to discuss a corporate sponsorship of the ANS standards program with Prasad Kadambi.

Andy Smetana expressed concern that offering benefits to corporate sponsors of the standards program could look like favoritism, but he would not see an issue if it was a global membership. Steve Shepherd reminded the Board that standards are only part of the scientific publications produced by ANS.

An opportunity was given for the Board to provide comments on the PINS for ANS-3.5, "Nuclear Power Plant Simulators for Use in Operator Training and Examination."

#### **10. Standard Service Award**

Steve Stamm announced to the Board that Bob Budnitz was selected as the 2006 recipient of the Standards Service Award.

Action Item 6/06-05: Steve Stamm to provide a citation for the 2006 Standards Service Award acknowledging Bob Budnitz's contributions.

#### **11. Certification of Balance of Interest**

Bill Burchill explained that he asked to change the categorization of EPRI from "owner/operator" to "industry organization." Jack Roe agreed with that change. Steve Stamm explained concern with N17 Balance of Interest (BOI). He felt that N17 "owner/operator" could be reclassified, and more research reactor people should be included. The Board agreed that the N17 committee could benefit from additional members from research reactors.

Action Item 6/06-06: Don Spellman with Prasad Kadambi develop letter to N17 with recommendation to recruit members from operating research reactors and the two national research reactors.

Calvin Hopper provided an assessment of where the BOI ad hoc committee is on revising the BOI definitions. He stated ANSI requirements were reviewed. Hopper suggested that BOI could change depending on the subject matter of the standard. A committee member may be a user of one standard and a producer of another. Pat Schroeder stated that she would have to confirm with ANSI the ability to switch BOI categories.

Action Item 6/06-07: Pat Schroeder to check with ANSI about a changing BOI depending on the subject matter of a standard.

Although many members shared their dissatisfaction with the current BOI definitions, it was agreed the categorization was done according to the definitions. The BOI for all four consensus committees were approved unanimously as presented.

## **12. Consensus Committee Reports**

### N16 – Calvin Hopper, Chair

Calvin Hopper informed the Board that N16 has been drafting procedures. The process is ongoing. Hopper stated that N16/ANS-8 received many nominations from the NRC to working groups. Some of the working group chairs were unfamiliar with this practice and had concerns. Hopper would address these concerns at the Nuclear Criticality Safety Standards Forum Thursday, June 8, 2006.

### N17 – Tawfik Raby, Chair

Tawfik Raby was unable to attend the meeting but provided a report – see Attachment C.

### NFSC – Carl Mazzola, Chair

Carl Mazzola reminded the Board of the outstanding public objection to the revision of ANSI/ANS-3.2-1994; R1999, “Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants,” under the ANS-21 Subcommittee (T. Dennis). The objection was placed by a member of ASME NQA-1. Request for final approval was sent to ANSI 5/5/06 but as yet has not been granted. Mazzola provided the Board a few highlights within the NFSC Subcommittees. ANS-22 Subcommittee (D. Newton) is wrestling with new reactor criteria. ANS-23 (D. Eggett) is seeing slow progress on three standards, however, recently balloted one, ANS-41.5-200x, “Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation.” Unfortunately, the draft standard needs revision as it was written more like a textbook than a standard.

Mazzola informed the Board that Kevin Bryson will take his place as ANS-25 Subcommittee Chair. ANS-25 has 21 active projects – almost all with active chairs/groups. ANSI/ANS- 3.11-2005 should be published and out on the street soon. ANS-26 (C. Brown/E. Lloyd) is a work in progress. Most standards under this subcommittee failed reaffirmation last year. The new working group chair and subcommittee chair have not come up with a plan for revision yet. ANS-27 Subcommittee Chair (J. Brault) developed an ad hoc committee to support Global Nuclear Energy Partnership (GNEP). ANS-28 Subcommittee (M. LaBar) is moving forward hoping for a first draft of ANS-53.1, “Nuclear Safety Criteria for the Design of Modular Helium-Cooled Reactor Plants,” by end of 2006.

Pat Schroeder called for Board approval of Carl Mazzola as Ex Officio Member. Carl Mazzola was unanimously approved.

### Risc – Bill Burchill, Chair

Bill Burchill reported that RISC is involved in five standards projects. He explained that PRA is subdivided into three major categories. ASME was given the lead to write the first PRA standard. They struggled though 14 draft revisions before ballot. ANS then picked up the responsibility to three level one standards; External Events, Low Power/Shut Down (LPSD), and Fire. External Events was approved in 2003, with its revision currently resolving ballot comments. The LPSD standard has been in works for six years. The draft received 200 plus ballot comments resulting in roughly ½ negative votes. The draft is being restructured and will be re-balloted. Unfortunately, the project lost its working group chair. The Fire standard was distributed for ballot early April 2006. An extension has been granted until August 19, 2006, because of multiple industry requests. The Level 2 and Level 3 standards projects are in the early stages of development.

Burchill stated that he suspected some negatives on recent ballots were issued because of concern for additional costs. Burchill requested negative ballots to identify specific requirements of concern but has not received this information.

Burchill explained that an agreement was struck a few years ago between Jim Mallay and his ASME counterpart to produce a joint effort for an integrated standard. Work on LPSD and Fire standard would be turned over to ASME to integrate. Revenue sharing may be okay, however, Burchill personally thinks this agreement should be clarified. RISC recently held a combined meeting with ASME's CNRM Committee. Questions came up whether we should complete and publish the LPSD and Fire standards. Burchill took stand that it is important to complete the consensus process, and ANS will publish our standards.

Bill Burchill asked that the Standards Board for their thoughts and guidance on completing the consensus process through publishing on the External Events, LPSD, and Fire Standards.

A MOTION was made that the Standard Board endorsed the completion of the consensus process and publication of the External Events, LPSD, and Fire standards. The motion was unanimously approved.

### **13. Liaison Reports**

No reports provided

### **14. Balance of Interest Policy**

The draft for the revision to the Balance of Interest Policy was delayed until November 2006.

### **15. New Business**

#### New Regulation –10 CFR Part 53

Don Spellman explained that he received an email from Jim Mallay asking if there was any ANS committee reviewing and submitting comments on 10 CFR Part 53. While no one was aware of such a committee, the Board felt it important to review the new regulation. Spellman asked Peter Hastings to head the committee.

Action Item 6/06-8: Peter Hastings to head special committee to review and provide comments on 10 CFR Part 53.
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Jack Roe recommended that Adrienne Hymer be included and explained that NEI would be coordinating industry comments. Further suggestions were to include a representative from every consensus committee. Don Spellman asked that Carl Mazzola

draft an article for Nuclear News/Nuclear Standards News to inform members about the new regulation open for comments until December 2006.

#### Policy Statement

Don Spellman explained to the Board that George Flannagan, ORNL, approached him about ANS public policy statement #24 going to the Board of Directors on Thursday, June 8, 2006, regarding standards. Spellman summarized the statement to say that all nuclear safety issues should be handled in accordance with international standards. Furthermore it referred to IAEA technical documents as standards and did not mention US or even ANS standards. Upon this realization, Spellman communicated with Prasad Kadambi who suggested for him to discuss with Joe Green of the NISD. During this discussion, Spellman learned that the statement was issued in 1993 but was being updated. Spellman provided suggestions on revising the policy to be technically correct. Green offered to stop into the Standards Board meeting to resolve.

Joe Green introduced himself to the Board. Green explained that last year then President Larry Folke came to him and suggested reviewing and revising the policy statement. A small committee that included Bob Bari and Bob Budnitz as well as others reviewed the policy. Foulke recommended the policy be shortened. The small committee approved the shortened policy, and it was forwarded to the NISD for approval as well. It was Green's decision to publish it in the NISD Newsletter with a goal to address concerns and get final go ahead. The NISD is acceptable to correcting the policy statement. Several options were discussed resulting in satisfaction by all. Spellman thanked Green for his concern and help.

#### Quality Assurance Standard

Peter Hastings asked to discuss the difficulty of using two Quality Assurance (QA) standards. He acknowledged that he was one of the individuals that originally suggested combining NQA-1 with ANS-3.2, however, this was before he realized how difficult a task it would be. Hastings felt that ASME was no closer at getting the NRC to endorse their latest version of NQA-1. NRC's assessment is that it does not fully address the issue.

Spellman explained that he discussed this with Prasad Kadambi, but Kadambi said that someone more expert than he would need to decide to combine the two standards. It was suggested that Hastings coordinate a committee to review draft Regulation Guide 1145. Hastings commented that he felt there was a chance the industry would write a topical on QA.

Spellman expressed his concern that the Standards Board does not provide enough guidance to consensus committees and asked what the Board felt NFSC should do. Wright stated that we have higher priority needs then to combine the two QA standards. Hastings said he would like to see the Board think about requesting both QA committees to meet.

A MOTION was made for Carl Mazzola to engage ASME in considering the feasibility of combining NQA-1 and ANS-3.2 for future revisions. (Due date: November 2006) The motion was unanimously approved.

#### **16. Adjournment**

With no other business the meeting adjourned at 4:47pm PST.

**American Nuclear Society  
Standards Board Action Items from ANS June 2006 Meeting**

Action Item	Description	Responsibility	Status
6/06-01	Prasad Kadambi and Don Spellman to work on policy for gaining NRC/SDO endorsement.	Prasad Kadambi and Don Spellman	Open
6/06-02	Donald Spellman check with Prasad Kadambi for an endorsement procedure that other SDOs may already have with NRC.	Prasad Kadambi and Don Spellman	Open
6/06-03	Pat Schroeder to conduct a benchmark study that encompasses the copyright protection of paper and electronic copies of ANS standards, pricing policy, ANS contract with IHS vs. ASME contract with IHS, and number of ANS standards printed through IHS contracts.	Pat Schroeder	Open
6/06-04	Don Spellman to discuss a corporate sponsorship of the ANS standards program with Prasad Kadambi and possibly with Bill Naughton.	Don Spellman and Prasad Kadambi	Open
6/06-05	Steve Stamm to provide a citation for the 2006 Standards Service Award acknowledging Bob Budnitz's contributions.	Steve Stamm	Open
6/06-06	Don Spellman with Prasad Kadambi develop letter to N17 with recommendation to recruit members from operating research reactors and the two national research reactors.	Don Spellman and Prasad Kadambi	Open
6/06-07	Pat Schroeder to check with ANSI about a changing BOI depending on the subject matter of a standard.	Pat Schroeder	Open (closed)
6/06-08	Peter Hastings to head special committee to review and provide comments on 10CFR 50.53.	Peter Hastings	Open
11/05-01	Pat Schroeder to approach Young Members Group to develop Standards Committee mentor program.	Pat Schroeder	Open
11/05-06	Calvin Hopper, chair ad hoc committee, to develop alternative balance of interest definitions (acceptable to ANSI) with Bill Burchill, Tawfik Raby, and Don Spellman. Due Date: November 2006	Consensus Committee Chairs	Open