

### **Members Present**

James F. Mallay, *SB Chair, Framatome ANP*  
Donald Spellman, *SB Vice Chair & NFSC Chair, ORNL*  
Patricia Schroeder, *Standards Administrator, American Nuclear Society*  
Robert Bari, *RISC Chair, Brookhaven National Laboratory*  
Dimitrios Cokinos, *Member at Large, BNL*  
Peter Hastings, *Member at Large, Duke Energy*  
Calvin M. Hopper, *N16 Chair, Oak Ridge National Laboratory*  
N. Prasad Kadambi, *Member at Large, NRC*  
Tawfik Raby, *N17 Chair, NIST*  
Michael Ruby, *Member at Large, Constellation*  
Steven Stamm, *Member at Large, Stone and Webster*  
Michael Westfall, *Member at Large, Oak Ridge National Laboratory*  
Michael J. Wright, *Member at Large, Entergy*

### **Members Absent**

Brian K. Grimes, *Member at Large, Retired (NRC)*

### **Guests**

William Bell, *South Carolina Electric & Gas Co.*  
Chuck Moseley, Jr., *BWXT Y-12*  
Jean-Louis Nigon, *Chair TC-85, COGEMA (France)*  
William Reuland, *Individual (Previous Affiliation: EPRI)*

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

Jim Mallay called the meeting to order and introductions were made.

Jean-Louis Nigon provided the Board a brief update on the work of TC-85. Currently ISO is negotiating an agreement with many standards developing organizations that will facilitate the joint sales of national and international standards. ASTM has already reached such an agreement. In addition, an initiative is under way to develop international standards to address security matters that will cross all the technical committees of ISO.

Jim Mallay informed the Board that he is stepping down from his position of Standards Board Chair next June. The last year or so he was grooming Don Spellman for that position, however, no replacement could be found to replace Don as NFSC Chair. As such, Don will remain as NFSC Chair. Jim asked Prasad Kadambi to move up to Standards Board chair, and he has agreed. Jim volunteered to assist Prasad by remaining on the Board as vice chair. Jim also serves as co-chair of the NRMCC. The NRMCC requires participation by an officer of the ANS Standard Board. Jim's remaining on the Board as vice chair will allow him to continue his role as chair of the NRMCC and thereby reduce Prasad's immediate responsibilities.

Jim announced that he is leaving Framatome within the next few weeks and is actively pursuing positions with other companies. Tawfik Raby expressed the Board's appreciation for Jim's longstanding contributions to ANS standards.

### **2. Approve Agenda**

The agenda was approved without dissent.

### **3. Approval of Meeting Minutes from June 15, 2004, Pittsburgh, PA**

The minutes were approved without dissent.

### **4. Action Items**

See Attachment A.

Action Item 11/04-01 Pat Schroeder to resend 1991 Annual Activities Report to Consensus Committee Chairs.

Jim Mallay described a mentoring program being proposed that would involve the working groups. Recent graduates would be identified through the ANS membership database. Subcommittee chairs would take "ownership" of 10 to 12 individuals. After sending a letter to these individuals from the Standards Board, personal phone calls from the subcommittee chairs would be made to determine individual interest in joining specific working groups.

Action Item 11/04-02 Pat Schroeder to provide Jim Mallay list of recent graduates from ANS membership database (7-10 years after graduation).

Jim Mallay informed the Board that a Standards Development Workshop was approved by the ANS Professional Development Coordination Committee. The workshop will take place on Sunday, November 12, 2005, at the Omni Shoreham Hotel during next year's ANS meeting. A fee of \$400 - \$500 is anticipated. Prasad Kadambi will also participate and will address performance-based standards at the workshop.

Shami Dua has agreed to serve as Canadian Liaison to the NFSC and attended yesterday's NFSC meeting. Bill Reuland volunteered to provide reciprocal services to the CSA.

Action Item 11/04-03 Pat Schroeder to resend ANS-18.1 clarification request to Jim Mallay and Don Spellman.

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

Jim Mallay provided an overview of the NRMCC's activities. The Committee was formed approximately one year ago. It is co-sponsored by ANS and ASME with members from NEI, IEEE, NRC, DOE, EPRI, as well as other experts from owner/operators. The approximately 18 members meet twice a year with teleconferences held between meetings. The Committee is responsible for overseeing the development of and assigning new risk informed standards. One standard has been published by ASME and three standards are being prepared by ANS, one of which was issued last year. The other two ANS standards are expected to be published in 2005. The NRMCC has assigned a Level 1 standard to ASME and Level 2 and Level 3 standards to ANS. Bob Bari applauded Jim for his leadership of the NRMCC and his success in assigning these new standards to ANS and ASME.

Chuck Moseley will receive the Standards Service Award at today's Honors and Awards Luncheon. Jim read Chuck's citation for the award and noted how well deserved it was.

Action Item 11/04-04 Pat to distribute Jim Mallay's Board of Director's presentation to Standards Board.

## 6. Consensus Committee Reports

### NFSC – Nuclear Facilities Standards Committee

Don Spellman summarized the status of Subcommittee ANS-28, which is developing its first standard, ANS-53.1, "Safety Criteria for Design of Gas-Cooled Reactors." A draft may be ready by late 2005. Once ANS-53.1 is completed, several working groups will be created to develop supporting standards.

Yesterday's NFSC meeting was very successful. A revised NFSC Policy and Procedures Manual was approved with the intent to prepare annual updates. The NFSC welcomed, a new Canadian liaison, Shami Dua from AECL. Jim Mallay expressed his appreciation for the addition of a Canadian liaison and stated the appropriateness of having liaisons for other consensus committees. He suggested that CSA and AECL be approached to provide a liaison to other consensus committees, particularly RISC. For additional information on NFSC see Attachment B.

Action Item 11/04-05 Don Spellman to extend invitation through Shami Dua for additional Canadian liaisons to serve other consensus committees.

### N16 -- Nuclear Criticality Safety

Calvin Hopper reported on recent standards activities within N16. ANS-8.14, "Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors," (new standard) was published and is available for sale. ANS-8.17, "Criticality Safety Criteria for the Handling, Storage and Transportation of LWR Fuel Outside Reactors," (revision) received final approval and is currently being edited. N16 has two standards at ballot: ANS-8.10, "Criteria for Nuclear Criticality Safety Controls in Operations with Shielding and Confinement," (reaffirmation) and ANS-8.19, "Administrative Practices for Nuclear Criticality Safety," (revision). Calvin also stated that SC-5 of TC-85 will meet at Oak Ridge National Laboratory on April 4 – 7, 2005. See Attachment C for more information about N16 activities.

### N17 – Research Reactors, Reactor Physics, Radiation Shielding & Computational Methods

Tawfik Raby reported that ANS-14.1, "Operation of Fast Pulse Reactors," (revision) has recently been published and ANS-5.1, "Decay Heat Power in Light Water Reactors," (revision) is at ballot, which is due on December 9, 2004. Tawfik explained that all other balloting is being withheld until ANS-5.1 has been approved. N17 will hold a meeting on Wednesday, November 17. A few members of TC-85 SC-6 are expected to attend. All Standards Board members were invited to attend the meeting. NIST will host a TRTR conference the week of September 12, 2005. Representatives from 29 countries are anticipated. Three banquets and a cruise on the Potomac are also planned. For more information about N17 see Attachment D.

### RISC

Bob Bari informed the Board that the last meeting of RISC was in April 2004. The committee debated whether it was premature to issue the LPSD standard, ANS-58.22, "Low-Power Shutdown PRA Methodology," (new standard). The Committee agreed to proceed because the industry needed a basis to assess the adequacy of the criteria being proposed. A teleconference was held in September, which included a discussion of NRMCC activities. All are welcome to attend the next RISC meeting scheduled for Wednesday, November 17, 2004, at the Aerospace Center. See Attachment E for additional information about RISC activities.

## 7. Liaison Reports

No reports were provided.

## **8. New PINS Forms/Letter Ballots**

The Board was provided an opportunity to vote on the PINS for ANS-2.15, "Guidelines for Modeling and Calculating Atmospheric Transport of Routine Releases from Nuclear Facilities," ANS-2.16, "Guidelines for Modeling and Calculating Atmospheric Transport of Accidental Releases from Nuclear Facilities," ANS-2.21, "Guidelines for Assessing Atmospheric Effects on the Ultimate Heat Sink," and letter ballot #254 for the approval of ANS-2.26, "Categorization of Nuclear Facility Structures, Systems and Components For Seismic Design." All four projects are new standards.

## **9. Secretary's Report**

Pat Schroeder summarized the finding of the ANSI audit held at ANS on September 23 and 24, 2004. The auditor was favorably impressed by our procedures, the implementation of our processes, and the retention of our records. Some minor recommendations will be made. A final audit report is expected from ANSI later in November.

Four clarifications were approved and published in Nuclear News and Nuclear Standards News. One outstanding clarification on ANS-18.1, "Radioactive Source Term for Normal Operation of Light Water Reactors," remains open. Andy Wehrenberg arranged for Jim Sejvar, the working group chair, to prepare a draft of the clarification. Errata will be issued as a result of the clarification on ANS-58.2, "Design Basis for Protection of Light Water Nuclear Power Plants Against the Effects of Postulated Pipe Rupture." The standards administrator provided the following reports:

- 1) Delinquent Standards – Attachment F
- 2) Standards Status Report – Attachment G
- 3) Standards Activity Report – Attachment H
- 4) Sales Report – Attachment I
- 5) Staff Report – Attachment J

## **10. Policies**

The Standards Board policies were previously distributed to all members for review. The following policies were discussed:

### Responsibilities of ANS Standards Committee Liaison Personnel

Jim Mallay explained that the changes were not substantive. The text was revised to provide clearer guidance to liaison personnel. Bob Bari motioned for approval. Steve Stamm seconded. The policy was approved unanimously.

### Policy on Initiating Maintenance Procedures

This policy was approved at the June 15, 2004, Standards Board Meeting.

### Policy on Issuing Comments on Behalf of the ANS Standards Committee

This policy permits working groups and subcommittees to comment without having to go through too much administrative process but gives credit to the authority of these committees. Michael Wright motioned for approval. Bob Bari second. The policy was approved unanimously.

### Policy on Speaking for the ANS Standards Committee on Policy Matters

This policy enables a committee member to address areas within their responsibility as long as it adheres to our policy. Steve Stamm motioned for approval. Michael Wright seconded and the policy was approved unanimously.

### Policy on Developing Clarifications and Interpretations

This policy was approved at the June 15, 2004, Standards Board Meeting.

### Policy on the Substantiation of Values Cited in ANS Standards

This policy directs that numerical values used in standards must have a documented basis, such as a peer review or consensus process. Steve Stamm asked that 2.4 d be changed to read: "The working group shall attempt to avoid any specification that could lead to restraint of trade as a result of citing a particular value." Don Spellman motioned to accept the policy with the requested change. Steve Stamm seconded. The policy was unanimously approved with the noted change.

### Policy on Completing the Consensus Balloting Process

This policy was approved at the June 15, 2004, Standards Board Meeting.

### Policy on the Development of Long-Term Plans for Subcommittees

The approval of this policy was tabled until the Standards Board Chair considers a possible revision.

11/04-06 Jim Mallay to consider revision of the Policy on the Development of Long-Term Plans for Subcommittees.

### Policy on NRC Application on ANS Standards

As incoming Chair of the Standards Board, Prasad would like to strengthen its relationship with the NRC. Prasad has previously discussed this policy with Mike Mayfield. Mike is concerned about the policy's legality and need. Additionally, Mike does not want special arrangements made with any specific standard developing organization. Jim Mallay explained that the policy was created to give NRC special rights when needed and does not provide any advantage to ANS. Calvin Hopper suggested that the policy reflect our desire to work with the NRC as needs arise. Calvin also asked if a similar policy should be provided for application with DOE. The approval of this policy was postponed at the request of Prasad Kadambi so that he can conduct further discussion with his colleagues at the NRC.

### Policy on the Makeup of Working Groups

With no additional discussion, Don Spellman motion for approval. Peter Hastings seconded. This policy was approved unanimously.

### Policy on Records Retention

Steve Stamm questioned whether any provisions have been made to protect files at ANS in the event of a fire. Pat Schroeder explained that much of the information is saved on the ANS server. The files are backed up regularly and copies held offsite. Steve also asked that the policy explicitly state the acceptability of electronic e-mails. The Board requested three changes to the policy:

- 1) Working group minutes and subcommittee minutes be removed from the list of required documents.
- 2) SSC should be changed to SB in all cases.
- 3) Change the last sentence of the second paragraph to read: "To ensure that records are retained for a least this ten-year period, the following documents, if existing at ANS as of November 16, 2004, associated with each American National Standard shall be retained by ANS for 11 years:"

Tawfik Raby motioned to approve the policy with the noted changes. Don Spellman seconded. The policy was approved unanimously.

### Policy on the Objectives and Administration of the ANS Standards Board

Jim Mallay explained that this policy was essentially lifted from the old "yellow book." Mike Westfall suggested that this policy reflect possible involvement with NTAG or the SC6 secretariat. Jim Mallay

did not believe this interface should be addressed in this policy because it is intended to address administrative matters. Mike's suggestion, however, will be considered for an additional policy.

Several changes were requested:

- 1) Last sentence in first paragraph under #2 should be deleted.
- 2) First sentence in the first paragraph under #3 should read: "The Standards Committee consists of all the individuals who are engaged in standards development activities and the management of standards activities."
- 3) Remove first sentence in fifth paragraph under #3 regarding NRC.

Steve Stamm motioned to approve the policy with the noted changes. Peter Hastings seconded. The policy was approved unanimously.

#### Policy on the Administration of Standards Committees

Jim Mallay reminded the Board that this policy was taken out of the remaining parts of the old "yellow book." With no discussion, Bob Bari motioned to approve this policy. Don Spellman seconded. The policy was approved unanimously.

#### Policy on the Development of Guidance Standards

Michael Wright motioned to approve this policy. Bob Bari seconded. The policy was approved unanimously without the background statement.

#### Policy on Certification of Consensus Committee Membership

Tawfik Raby urged the Board to add a category for scientific societies that are very important to his consensus committee due to the type of standards developed. Tawfik suggested that vendors and service providers be combined into one category. This combination with the addition of a category for scientific societies would provide the desired six categories.

Prasad suggested to have each consensus committee chair determine what category to place each member in and provide documentation. Jim Mallay pointed out that we had used this approach, and it resulted in major inconsistencies and produced far too many categories. He reiterated that our objective is to standardize the categories and limit their number.

Action Item 11/04-07 Jim Mallay and Pat Schroeder to review ANSI definitions for interest categories.
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Mike Ruby feels 2.1, Owner, and 2.5, Government, can both include government employees as currently defined.

Calvin proposed that employers send a letter stating which interest category an employee should be included in.

Jim Mallay will take another look at:

- 1) Specific wording in 2.1 to make it less ambiguous
- 2) Add wording in 2.5 -- "except organizations defined under ..."
- 3) Add exception to sponsoring organization

Action Item 11/04-08 Jim Mallay to redraft the Policy on Certification of Consensus Committee Membership.
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Action Item 11/04-9 Once Policy on Certification of Consensus Committee Membership is redrafted, Pat Schroeder will distribute with ballot for approval.

**11. New Business**

There being no other business, Steve Stamm motioned to adjourn. The motion was seconded by Michael Westfall with agreement by all.

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Meeting adjourned at 3:35 p.m. ET.

*Respectfully submitted,  
Patricia Schroeder, ANS Standards Administrator*

**American Nuclear Society  
Standards Board Action Items from ANS November 2004 Meeting**

Action Item	Description	Responsibility	Status
11/04-01	Pat Schroeder to resend 1991 Annual Activities Report to Consensus Committee Chairs	Pat Schroeder	Closed
11/04-02	Pat Schroeder to provide Jim Mallay list of recent graduates from ANS membership database (7-10 years after graduation).	Pat Schroeder	Open
11/04-03	Pat Schroeder to resend ANS-18.1 clarification request for Jim Mallay and Don Spellman.	Pat Schroeder	Closed
11/04-04	Pat to distribute Jim Mallay's Board of Director's presentation to Standards Board.	Pat Schroeder	Closed
11/04-05	Don Spellman to extend invitation through Shami Dua for additional Canadian liaisons to serve other consensus committees.	Don Spellman	Open
11/04-06	Jim Mallay to consider rewrite of the Policy of the Development of Long-Term Plans for Subcommittees.	Jim Mallay	Open
11/04-07	Jim Mallay and Pat Schroeder to review ANSI definitions for interest categories.	Jim Mallay and Pat Schroeder	Open
11/04-08	Jim Mallay to redraft the Policy on Certification of Consensus Committee Membership.	Jim Mallay	Open
11/04-9	Once Policy on Certification of Consensus Committee Membership redrafted, Pat Schroeder to distribute with ballot for approval.	Pat Schroeder	Open
6/04-02	Consensus Committee Chairs shall submit their Annual Activities report to Pat by January 1, 2005.	Consensus Committee Chairs	Open
6/04-03	Consensus Committee Chairs must send full list of members and contacts of each working group and subcommittees to Pat by January 2005.	Consensus Committee Chairs	Open
6/04-04	Jim Mallay to contact Sharon Kerrick of ANS to request time on the agenda to discuss standards at the student conference scheduled for April 2005 at the Ohio State University.	Jim Mallay	Closed
6/04-09	Jim and Pat to prepare a policy on addressing references in standards.	Jim Mallay/ Pat Schroeder	Open
6/03-03	Distribute to the SB Jim Mallay's meeting minutes and membership list of the ANSI HSSP ISC.	Jim Mallay	Open
11/01-11	Draft a policy on reaffirmation.	Jim Mallay	Open