

Members Present

James F. Mallay, *SB Chair, Framatome ANP*
Donald Spellman, *SB Vice Chair & NFSC Chair, ORNL*
Patricia Schroeder, *Standards Administrator, American Nuclear Society*
Dimitrios Cokinos, *Member at Large, BNL*
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*
Seymour Weiss, *Member at Large, NIST*
Michael Westfall, *Member at Large, Oak Ridge National Laboratory*

Members Absent

Robert Bari, *RISC Chair, Brookhaven National Laboratory*
Brian K. Grimes, *Member at Large, Retired (NRC)*
William Hopkins, *Member at Large, Retired (Bechtel)*
Michael J. Wright, *Member at Large, Entergy*

Guests

Dale Lancaster, *Chair, ANS- 8.27, Nuclear Consultants*
Chuck Moseley, Jr., *BWXT Y-12*
Jean-Louis Nigon, *Chair TC-85, COGEMA (France)*
William Rueland, *Individual (Previous Affiliation: EPRI)*

1. Call to Order

Jim Mallay called the meeting to order and introductions were made. Patricia Schroeder was introduced as the new Standards Administrator at ANS Headquarters.

2. Approve Agenda

The agenda was approved without dissent.

3. Approval of November 18, 2003, Meeting Minutes

Jim Mallay stated that he was in the process of editing the minutes, which had been prepared by Cara Ford and who has since left ANS, and asked for any substantive comments. Mike Westfall was included as an absent member, and Tawfik Raby's position as N17 chair was corrected. The committee approved the minutes unanimously, subject to a review of Jim Mallay's editing.

4. Action Items

See Attachment A.

5. Standards Board Chair's Report

Jim Mallay reported that NTAG was limping along. ASTM took over the administrative secretariat four years ago. ASTM's commitment was for three years based on substantial financial support provided by NRC, DOE, and NIST. Various industry organizations contributed about 25 percent. ASTM's expectations was for industry to assume the bulk of the financial burden after three years, but this has not occurred, despite an outstanding effort to gain their participation by Harry Farrar, Chair of NTAG. ASTM is now anxious to transfer this responsibility to another organization. For 2004, only minimal funds were received from the industry. Don Spellman said that DOE had recommitted, and Tawfik Raby said that NIST did as well. Prasad Kadambi said he thought NRC had provided support.

Action Item 6/04-01 Jim Mallay to inform Standards Board of NTAG financial and secretariat status.

On a related topic, Tawfik offered to contact Mayfield to set up a SDO meeting.

The committee discussed bringing NTAG under ANS, and Jim Mallay said he would talk to Mary Beth Gardner.

After discussion of several additional matters, the following actions were assigned:

Action Item 6/04-02 Consensus Committee Chairs shall submit their Annual Activities report to Pat by January 1, 2005.

Action Item 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.

Action Item 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.

Action Item 6/04-05 Jim Mallay to develop workshop on standards procedures for the November 2005 meeting.

Nuclear Risk Management Coordinating Committee

Jim Mallay described the formation of the NRMCC, which is responsible for the management and coordination of all standards related to the use of risk-informed techniques. He summarized the background of the formation of the committee, which is co-sponsored by ASME and ANS. The committee has already met twice, issued a letter of comment to the NRC on its initiative to depend on PRA voluntary consensus standards,

and is in the process of issuing a second letter to the NRC with additional comments on the same subject. Jim is co-chair of the committee.

6. Consensus Committee Reports

Action Item 6/04-06 Jim Mallay requested all chairs to provide a short written status report to the Standards Administrator prior to the November Meeting for inclusion with the meeting documents.

N16

Calvin Hopper reported that N16 had its first consensus committee meeting in more than four years to discuss the quality of standards coming out of ANS-8. They are currently working on the drafts for ANS-8.24, "Validation of Neutron Transport Methods for Nuclear Criticality Safety Calculations," ANS-8.26, "Criticality Safety Engineer Training and Qualification Program," and ANS-8.27, "Accounting for Irradiation of LWR Fuel in Criticality Safety Analysis for Applications Outside Reactor Cores." ISO is also working on a burnup credit standard.

ANS-8 will hold an open meeting on Thursday, June 17. Jim Mallay expressed some concern that the large number of attendees at the meeting might hamper productivity.

Calvin discussed the use of shall, should, and may in ANS-8.1, "Nuclear Criticality Safety in Operations with Fissionable Materials Outside Reactors." The concern arises from a practice by the NRC to make recommendations (should) into requirements. Jim Mallay suggested that a phrase such as "shall attempt" be used to avoid the large number of recommendations.

Report from Dale Lancaster, Chair 8.27

Dale Lancaster summarized the scope of the new standard ANS-8.27, "Accounting for Irradiation of LWR Fuel in Criticality Safety Analysis for Applications Outside Reactor Cores," which applies to spent fuel pools from storage to transportation. He explained that the NRC has three positions: one for storage, one for transportation, and one on wet storage, none of which is consistent with the others. The draft of the text is finished and will be brought for approval at Thursday's ANS-8 subcommittee meeting. Once the text is approved, the appendices will be started. He expects problems with the transportation part due to differences between NRC and DOE requirements.

Jim Mallay urged Dale to put more criteria in the body and spend less time on the appendices. Tawfik agreed that it's unwise to use appendices in that manner. Appendices should be used for examples.

Dale explained that Europe does not have a secondary shutdown mechanism. Europe also has difficulties with the approach taken in an ISO standard, which is similar to the NRC position. About five reactors do not comply with the ISO standard.

N17

Tawfik Raby reported that N17 remains very active. The revision of ANS-14.1, "Operation of Fast Pulse Reactors," recently received ANSI approval. The N17 status report is Attachment B.

Action Item 6/04-07: Pat Schroeder to send the PINS for ANS-19.3 and ANS-19.6.1 to the Standards Board.

NFSC

Don Spellman reported on the previous day's NFSC meeting. There were so many discussions that time ran out before the agenda could be completed. A large part of the time was devoted to a discussion of the revision of ANS-3.2, "Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants." This discussion was led by the working group chair, Clint Eldridge.

The committee addressed the subject of using references in standards. It was suggested that all references should be specific, listing pages and paragraph numbers where applicable. The committee also heard from Neil Brown on the status of ANS-2.26, "Categorization of Nuclear Facility Structures, Systems, and Components For Seismic Design."

Michael Ruby was elected Vice Chairman of the NFSC.

The committee discussed the use of the term "historical – not for use." They felt that there might be a better classification. There was also a question whether historical standards received a stamp to indicate status.

Action Item 6/04-08: Jim Mallay/Pat Schroeder to check procedure for identifying historical standards that are sold.

Action Item 6/04-09: Jim and Pat to prepare a policy on addressing references in standards.

Steve Stamm stated that the Canadian standards organization expressed considerable interest in our standards and suggested that we extend an offer for a liaison to the NFSC.

Action Item 6/04-10: Jim Mallay to identify whom to send liaison invite from Canadian standards organization.

RISC

Jim Mallay explained that Bob Bari was chairing a risk assessment conference in Berlin and could not attend the Standards Board meeting. RISC met in Washington, D.C., on April 30, 2004. The meeting was well attended.

The external hazards standard that was published last November is currently being revised. A draft of the low power shutdown standard was reviewed by RISC, which

resulted in extensive comments. After the working group addresses these comments, the standard is expected to be balloted by the end of 2004.

The Fire PRA has not progressed well but will hold a meeting next month in an effort to produce a draft for RISC review in early 2005.

7. Liaison Reports

No reports were provided.

8. Secretary's Report

Pat Schroeder provided a Project Activities Report to the Board that included a list of open clarification/interpretations. Several other reports were included:

- Standards Due for Maintenance – Attachment C
- Delinquent Standards Report – Attachment D
- 6-Month Sales Report – Attachment E
- ICONS Summary – Attachment F
- Staff Report – Attachment G
- Financial Report – Attachment H
- Draft of new volunteer procedures – Attachment I

Pat discussed efforts being made to increase ICONS membership and asked for suggestions. Pat also commented that ANSI has informed her that they would be enforcing their policies and would withdraw standards promptly upon reaching their 10th year anniversary. She informed the Board that ANS is scheduled for an audit by ANSI in September.

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| Action Item 6/04-11: ANS-58.2 clarification was resolved on phone. Jim to prepare a formal response. |
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9. Standards Service Award

Chuck Moseley was recommended to receive the 2004 Standards Service Award; the Board accepted this recommendation. Tawfik reported that there were so many excellent candidates he asked the committee to consider giving additional awards.

Dimitrios Cokinos, Bob Bari, and Don Spellman (chair) were selected as the Ad Hoc Committee to develop a recommendation for the 2005 Standards Service Award.

10. Balance of Interest

Each consensus committee chair submitted a listing of the committee's membership demonstrating adequate balance of interest. The categories used are not consistent with the new draft policy, but were accepted as presented.

11. Rules and Procedures

Jim Mallay explained that ANSI had been requesting an update of the rules and procedures for the last several years. He explained that very few substantive changes were made in developing a complete revision. The major change made requires each consensus committee to establish a procedure for the conduct of the committee's business.

Action Item 6/04-12: Don Spellman to send Calvin Hopper and Tawfik Raby a copy of the NFSC Rules and Procedures.

Steve Stamm moved to accept the new Rules and Procedures. Prasad Kadambi seconded the motion as long as the word "annually" was removed from paragraph 3.1. The committee unanimously approved the new Rules and Procedures with this change.

12. Policies

The Standards Board Policies were rewritten and previously distributed to all members for review.

After review of the Policy on Initiating Maintenance Procedures, Steve Stamm moved for approval. Seymour Weiss seconded. It was approved unanimously.

The Board recommended that reaffirmations include a statement from the working group stating the continued usefulness of the standard.

After reviewing the policies on Completing the Consensus Balloting Process and Developing Interpretations on ANS Standards, Tawfik Raby motioned to approve. Seymour Weiss seconded. The motion was approved unanimously.

Prasad would like to have Mike Mayfield (of the NRC) take a look at the "draft" Policy on ANS-NRC Agreement on Development of Standards. The Board tabled discussion on this policy to the November meeting.

Jim reviewed the category definitions in the Policy for Consensus Committee Membership. Calvin expressed concern about National Labs being put in with Government Agencies. He suggested National Labs be included with Universities.

Prasad explained that if an individual is paid by the NRC, that person must speak from the NRC staff perspective, not necessarily the individual's perspective.

Jim explained that he is looking at categories from the mind set of the individual – the culture of the organization they are representing. Tawfik believes the definition for owner is too narrow and should be expanded to owner/operator of a nuclear facility. Prasad refers to it as "preference interest" driven by economic interest versus university/government that would be driven more by policy. Individuals may be both driven by economic and policy matters.

Tawfik stated that standards are developed with no specific bias toward economic or policy matters, so it shouldn't matter where the funding is from or the perspective of the individual.

The Committee agreed that the title of Architect/Engineer needs to be revised. Steve Stamm would like to see Architect/Engineer renamed "Service" or "Service Provider."

Jim Mallay said he would redraft the policy based on the above discussion.

Action Item 6/4-13: Board members: Consider need for Policy on the Development of Long Term Plans for Subcommittees and Policy on NRC Application of ANS Standards for discussion at November Meeting.

Action Item 6/4-14: Pat to request comments from Board members on Policy on the Objectives and Administration of the ANS Standards Board and Policy on the Administration of Standards Committee— due 8/30/04.

Calvin Hopper asked that a workshop on standards procedures, including the new Rules and Procedures and Policies, be given for ANS-8 and N16. Jim Mallay agreed to conduct the workshop.

Following the approval of three of the draft policies and an extended discussion of the categories to be used to determine balance of interests, Jim Mallay decided to postpone further discussion of the policies to November. This postponement would provide an opportunity for the members to consider the remaining policies.

13. New Members

Steve Stamm made a motion to delegate approval of volunteer forms to subcommittee chairs. The motion was seconded by Chuck Moseley.

Steve Stamm made a second motion to request ANS staff to create an on-line volunteer form that would provide an on-line data list of volunteers. The motion was seconded by Dimitrios Cokinos.

Once the on-line volunteer form was operational, it should be advertised in Nuclear News and Nuclear Standards News. Jim Mallay asked that Steve work with Pat on the volunteer database. The on-line form should include a number of questions instead of a resume. A draft should be sent to the Standard Board members. The Board requested that the on-line volunteer form could be completed by the November 2004 Meeting.

Both motions were unanimously approved.

14. New PINS Forms

The PINS for ANS-8.19, "Administrative Practices for Nuclear Criticality Safety," and ANS-8.24, "Validation of Neutron Transport Methods for Nuclear Criticality Safety Calculations," were distributed to the Committee for approval.

15. New Business

Report from Jean-Louis Nigon, Chair TC-85

Jean-Louis addressed the Board on the activities of TC-85. He reviewed the TC-85 meeting held in Buenos Aires this past spring. He specifically mentioned the success of the advisory board on Subcommittee 2. The advisory board's recommendations led to the development of standards regarding the medical application of radiation. The next TC 85 meeting is scheduled for May 2006 in Ottawa.

Oak Ridge National Laboratory will be hosting a meeting of SC-5 in April 2005. Tawfik said NIST will host an international meeting on research reactors in September of 2005.

Meeting adjourned at 4:15 p.m. ET.

*Respectfully submitted,
Patricia Schroeder, ANS Standards Administrator*