

American Nuclear Society

Nuclear Facilities Standards Committee (NFSC)

17-21 June 2001

Milwaukee, Wisconsin

Members Present

Don Spellman, Chairman, Oak Ridge National Laboratory
Bill Kouba, Alternate for Tom Luke, Vice Chairman, Exelon Cantara
Shawn Coyne, ANS Standards Administrator
Suriya Ahmad, ANS Standards Administrator
Mike Cross, Westinghouse Electric Company
John Dewes, Alternate for Joe Cohen, Westinghouse Savannah River Company
N. Prasad Kadambi, U.S. NRC
Jesse Love, Bechtel Power Corporation
Jim Mallay, Framatone ANP
Bob McFetridge, Westinghouse Electric Company
Neil Norman, Parsons Infrastructure & Tech. GP, Inc.
R.E. Scott, Scott Enterprises
Steve Stamm, Stone & Webster, Inc.
Jean Savy, Lawrence Livermore National Laboratory
John Stevenson, J.D. Stevenson Consultants
C.D. Thomas, Jr., Duke Engineering & Services
George P. Wagner, Individual
Andy Wehrenberg, Southern Company Services
Mike Wright, Grand Gulf Nuclear Station

Members Absent

Charles Brown, Southern Nuclear Operating Company
Joe Cohen, sent John Dewes, Alternate
Bob Bryan, TVA
Harish Chander, U.S. DOE
Walt D'Ardenne, D'Ardenne Enterprises
Rick Hill, GE Nuclear Energy
Charles Moseley, BWXT Y-12, Sent report.
Steve Nass, First Energy Corporation
Norman Prillaman, Framatone ANP
Bill Ramsey, JR., Southern Company Services
Bill Reuland, Individual
Mike Ruby, Rochester Gas & Electric Corporation
Jim Saldarini, Foster Wheeler Environmental Corporation
Tom Luke, Vice Chairman, Exelon Cantara (alternate was Bill Kouba)

Guests

Mike Horrell, ANS-58.6, Washington Group International

1. Welcome & Roll Call

Don Spellman called the meeting to order. Introductions were made and Shawn Coyne made the announcement that she will leave American Nuclear Society (ANS) by the end of July 2001 to begin her postgraduate degree. Shawn Coyne's replacement will be Suriya Ahmad, who was formally introduced to the NFSC Executive Committee. The agenda for this meeting was approved.

2. Approval of 6 October 2000 Meeting.

The minutes were approved without dissent.

3. Management Reports

A & B. Executive Committee & Chair's Report

Don Spellman summed up the events that took place at the NFSC ExC meeting the day before. First, Spellman talked about the changing of meeting dates: The NFSC Executive Committee will only meet by teleconferences three months before the two ANS semi-annual meetings, and two weeks before the NFSC meeting. The NFSC ExC will hold a teleconference on 14 September, 11.00 A.M. Central Standard Time. Formal meetings of the ExC will no longer be held during the ANS Conference. This will allow NFSC members to attend Division meetings on Sundays.

The next NFSC meetings will be on Monday, of each ANS conference. The next meeting is 12 November 2001 in Reno, NV. Subcommittee chairs will be assigned as liaisons to ANS Divisions.

The issue of Performance Based versus Risk Based was brought up. It has been identified that the nuclear industry is heading toward this way of classification and it is imperative that ANS standards consider this type of classification strategy. Prasad Kadambi was scheduled to lead this discussion later on in the program.

Spellman said that the volunteer packet that Shawn Coyne developed would be divided up between the subcommittee chairs later in this meeting. It is their responsibility to contact these individuals and assign them to a working group. Spellman also reiterated that the response time between a volunteer contacting ANS and ANS acknowledgement receipt should be about one week. The response time between the acknowledgement receipt and for a subcommittee chair assigning the individual to a working group should be no more than 2-3 months.

The following topic for discussion was the Toolkit and Glossary project, which will serve as a baseline for the NFSC. Published standards will now have the relevant definitions for the particular standard included in the text, and those definitions must agree with the glossary that will be uploaded onto www.ans.org. The glossary will first be updated by Bob Scott and then sent to the NFSC ExC for initial comment and review. Once the NFSC ExC is comfortable with it, an NFSC vote will be conducted for approval.

ACTION: 6/01-1: Bob Scott will review the common definitions for the Glossary and send them to Spellman and ANS Headquarters.

ACTION 6/01-2: ANS Headquarters will post the glossary onto its website with a password sensitive page for NFSC members until it is officially approved so that the members may access it and provide comments.

C. NFSC Administrator's Report

Shawn's report commenced with the standards sales data. One query brought up was the number of standards sold on an international versus domestic level; thus, leading to the following action:

ACTION 6/01-3: ANS Headquarters is to determine international vs. domestic sales data. Furthermore, determine which standards were bought on CD ROM.

NOTE: The standards sales data was provided by ANS Headquarters because of the proprietary nature of the report, it will not be included here as an attachment.

ANS has brought a proposal to the Board of Directors regarding selling standards in electronic form over the Internet by 2002. The estimated cost for the venture is between \$54,000 and \$55,000.

Sue Peccatiello, part-time assistant at ANS, is currently developing the Standards database system. This system is designed to track all current and historical information on each standard. It will also identify whether the standards are Performance-Based, Risk-Based, or Nuclear Facility vs. Power Plant-Based, once the NFSC is prepared to classify standards in this fashion.

The committee then discussed Clarifications. Jim Mallay reported that he wants to have clarifications resolved within six months. He declared that the committee owes it the users who purchase and use these standards.

ACTION 6/01-4: George Wagner will send Don Spellman information regarding procedures about answering clarification questions.

ACTION 6/01-5: Jim Mallay and ANS Headquarters will design a document about the subcommittee genealogy/history.

D. Standards Coordinator (Action Item 8/00-4)

Tom Luke was to give his report, but was absent.

E. Action Items

Action Item 10/00-1: Each NFSC member shall send Don Spellman the name and contact information of the appropriate supervisory individual who should receive a letter of appreciation.

Item Closed.

Action Item 10/00-2: Inform NFSC of the NRC database available via the Internet, which proved information on what standards are endorsed.

Item Open.

Action Item 10/00-3: Provide recommendation as to whether 56.5 should be revived or allowed to remain historical.

Open under the direction of Rick Hill.

Action Item 10/00-4: Send benefits letter on ANS-3.5 to appropriate section of industry.

Open. Under the direction of Jim Mallay and ANS Headquarters.

Action Item 10/00-5: Acting in a project manager role, oversee the process of an NFSC policy review.

Open under the direction of George Wagner.

Action Item 10/00-6: Provide recommendation for next action on 50.1, 51.1, 52.1, 56.2, 56.3, 56.5, 56.6, 56.7, 59.3, 59.53, 59.54, and 59.55.

Open under the direction of Rick Hill.

Action Item 10/00-7 Present proposed new numerical system for NFSC Subcommittees.

Closed.

Action Item 10/00-8: Incorporate proposed withdrawal criteria into a flowchart.

Closed (attachment, 1).

Action Item 10/00-9: Ballot ANS-40.35 and ANS-51.10 for reaffirmation.

Closed.

Action Item 10/00-10: Develop criteria for determination of Performance-Based standards and provide to NFSC for discussion at November meeting.

Open. Under the direction of Prasad Kadambi. Three NFSC member assigned to assist.

Action Item 6/00-1: Develop list of standards to be balloted for withdrawal and provide to HQ for action/ballot.

Closed.

Action Item 6/00-6: Discuss ANS-58.14 with RISC committee to determine its proper location.

Open under the direction of Jim Mallay.

Action Item 6/00-10: Draft letter to solicit international participation in NFSC.

Open. Under the direction of Don Spellman.

Action Item 11/99-1 Inquire at ANSI on ANS41.6 and 41.7 status.

Closed. Shawn reported that ANS still has open charters on these and no other SDO has expressed interest.

Action Item 11/99-6: Send memo clarifying new attendance/participation tracking and policy.

Closed.

Action Item 11/99-10: Discuss remaining comment resolution concerns with ANS-2.2 Chair and report back to NFSC Chair.

Open and was due 31 July 2000 under the direction of ANS HQ and NFSC Chair, Don Spellman. This has been discussed with the appropriate parties. George Wagner will work with ANS HQ to resolve in July.

Action Item 11/99-11: Discuss status of Ans-2.10 and ANS-2.23 with Jean Savy to see where they stand in order to close ballots.

Closed.

Action Item 11/99-13: Get toolkit on ANS website.

Open and in process. This was due 30 August 2000 under the direction of ANS HQ and Don Spellman. New due date is after ANS Glossary is complete.

Action Item 6/98-8: Pursue Standards Web Page Upgrades:

A.) Description of committee structure.

B.) Interaction with other SDO's.

C.) Mechanism for expressing interest in volunteering.

D.) Show benefits of activity and support corporations.

Open and in process under the direction of Suriya Ahmad.

4. Subcommittee Reports

ANS-21: Nuclear Power Plant Design Criteria & Operations – Mike Wright

According to Wright's handout (attachment, 2), he stated that he will submit two PINS forms for standards 4.5 and 58.9 for revision. He will need a committee and chair for these two working groups. As for ANS-58.11, this standard is at ANSI for approval of reaffirmation.

MOTION: Approve to draft PINS to revise ANS-4.5 was approved with no dissent.
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MOTION: Ballot ANS-4.5 for reaffirmation was approved, with no dissent. The SC chair will develop a paragraph to add to the Foreword concerning references.
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MOTION: To reaffirm ANS-58.9. First motion and second for approval.
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The discussions about reaffirming standards brought up the issue regarding siting references in standards that are to be reaffirmed, especially referenced standards that have been withdrawn or superceded. This led to the following action.

ACTION 6/01-6: Mike Wright volunteered to develop a Foreword that will be inserted in each reaffirmed standard when it is reprinted. This Foreword will address the references used in the standard.

ACTION ITEM 6/01-7: George Wagner will work on the procedures and policies for this issue above. Send thoughts on foreword and reaffirmation process to George Wagner.

ACTION ITEM 6/01-8: Shawn will call ANSI to discuss reaffirmed standards older than ten years.

ANS-22: Nuclear Power System Level Design – Rick Hill

Although Rick Hill was absent he provided the NFSC a handout of his committee's status (attachment, 3). From this, the following action was announced. Rick Hill will develop a PINS form for 51.1 and 52.1 as soon as possible. There is consideration about a similar standard for gas-cooled reactors.

ACTION 6/01-9: At the next NFSC ExC teleconference, Rick Hill should inform the NFSC about 51.10 and the charters that have been approved, but not written for 59.53, 59.54, and 59.55.

ANS-23: Decommissioning & Site Remediation Standards – Neil Norman

Neil Norman provided a handout (attachment, 4) that demonstrates the status of his committee. Neil Norman declared that he will retire, effective November 2000, but will stay on with the NFSC until that time. There is consideration of having Don Eggett to replace Norman. Norman will continue to act as a liaison with D&D Division.

Neil Norman wants to reactive ANS-41.2 and ANS-41.5. He also mentioned that he would like to combine the material from 3.8.9 into 3.12.2 since the material is very similar; Spellman approved this.

ACTION ITEM 6/01-10: Tell ANSI we are withdrawing 3.8.9 PINS form.

ACTION ITEM: 6/01-11: ANS Headquarters personal note: Modify NFSC organizational chart to reflect changes in Norman's handout.

ANS-24: Analysis Standards Subcommittee – Andy Wehrenberg

Wehrenberg provide a handout (attachment, 5). Wehrenberg stated that he did not want N17 to take over ANS-5.10. He stated that he wants ANS-56.4 to be balloted for reaffirmation, but also to be revised by Mayer and Massoud. He wants Mayer and Massoud to also revise ANS-56.10. Both these standards have not been officially withdrawn from ANSI yet. Wehrenberg also wants ANS-58.2 to be balloted for reaffirmation; simultaneously, his working group will revise it.

ACTION ITEM 6/01-12: ANS Standards Coordinator will retrieve all materials from past Writing Group Chair concerning work that has been done on ANS-5.10 to date.

MOTION: To have ANS-56.4 balloted for reaffirmation. Motion approved without dissent.

MOTION: To have ANS-58.2 balloted for reaffirmation. Motion approved without dissent.

MOTION: To have ANS-56.10 balloted for reaffirmation. Motion approved without dissent.

ACTION 6/01-13: Andy Wehrenberg will complete PINS forms for the revision of ANS-58.2, 56.4, and 56.10 and reappoint new Writing Group Chair for ANS-5.1.

ANS-25: Siting – Jean Savy

Savy provided a handout outlining his committee's status (attachment, 6). To note, Savy is in need of working group chairs for six standards that will up for withdrawal by ANSI; he doesn't want them to go.

Savy went over the handout briefly, and he mentioned that ANS-2.27 would be submitted to the working group once completion has been reached on ANS-2.26 and ANS-2.29. Afterwards, it will have to be balloted.

ANS-2.29 is in process. Savy said that he has been writing most of this standard than his working group. ANS-2.23 is a withdrawn document. Savy wants this standard revised and he intends to bring the issue to the floor at the November meeting in Reno. ANS-2.8 and ANS-2.9 requires a working group and working group chair. Savy will send in a PINS form for the revision of ANS-40.2. This project requires both a working group and chair, John Dewes offered to help Savy find volunteers. A chair is required for ANS-2.25. Savy also expressed the need for membership on ANS-16.1, a withdrawn standard that will be reactivated.

ANS-26: Emergency Planning – Charles Brown

Brown was absent for this meeting; thus, there is no report.

ANS-27: Fuel Cycle & Waste Management – John Dewes (alternate for Joe Cohen)

Dewes reported that he needed a working group chair for ANS-2.19 and ANS-40.37. ANS-40.35 has been balloted and the chair is working on the resolution of comments. There is intent to reactivate the working group to revise this standards; in addition, volunteers are welcomed.

ANS-57.1 may apply to MOX fuel and is applicable to any possible fresh fuel or fresh fuel handling systems.

ACTION 6/01-14: ANS-57.2 & ANS-57.3 is ready for ballot. There is consideration to present this at the November meeting in Reno, NV, but it depends on ballot results.

5. Liaison Reports

A. ASME – Charles Moseley

Moseley was absent from this meeting but sent in his report (attachment, 7).

BNC&S – J.D. Stevenson

No report was given.

NQA – Charles Moseley

Moseley was absent from this meeting but sent in his report (attachment, 7).

B. IEEE NPEC – Don Spellman

Don spoke briefly about this. He later sent Suriya Ahmad an email of his report (attachment, 8).

C. ANSI – Shawn Coyne

Shawn mentioned ANSI's new postal address and its updated procedures. She also updated about the ASTM administratively representing NTAG. More of this report is provided as attachment, 9.

D. SSC & RISC – Jim Mallay

Mallay said that RISC has taken an action to pursue PRA standards in Non-Reactor Facilities. According to Bob Budnitz, the External Hazards paper was balloted and the comments were resolved and they need ASME to complete. The LPSD is ongoing.

The Standards Service Award for 2001 will be given to Mike Wright; he will be honored in November 2001. Mallay will provide report to BOD.

6. Old Business

A. Standards for Discussion

ANS-56.8: Containment Leak Rate Testing: Jim Glover, Working Group Chair, was the guest speaker on this issue. Three issues were discussed. The technical notes for this section were taken by Andy Wehrenberg (attachment, 10).

ANS-56.1: Vision Light Water Containment. According to Wehrenberg, there is really no use for this standard (attachment, 11).

ANS-51.1 & ANS-52.1: This was not discussed as scheduled.

ANS-3.8.9 and ANS-3.12.2: Neil Norman stated that he thinks these two standards are very similar in content and he would like to incorporate material from 3.8.9 into 3.12.2. This was also discussed during Norman's report.

B. ANS Website Update – Suriya Ahmad

This update was given in during the NFSC Administrator's report (attachment, 9). It covered the use of the Internet as an advantage for the NFSC members. Online balloting and tallying, automatic email reminders, online comment resolution capability and other uses were discussed.

C. ANS Standards Benefits Letter Draft –Mike Wright

The Benefits Letter is a draft that could be sent to a selected list of users each time a new ANS standard is published (attachment, 12).

D. Use of Project Status Reporting Template – Tom Luke

Tom Luke was absent. No report was given.

E. Policies and Procedures Revision – George Wagner

Wagner stated he would define the users of ANS standards. He intends to go through the last 5-10 years of minutes to observe the "motions" in order to help him proceed with this project.

ACTION 6/01-15: Wagner will visit ANS to analyze the past 5-10 years of minutes.

ACTION 6/01-16: Wagner is to report the progress for the Policies and Procedures Revision at the next NFSC meeting and at the teleconference meeting on 14 September 2001 at 11.00 CST.

7. New Business

A. Need for New Subcommittee Members

Don Spellman discussed the urgent need for new subcommittee members who can serve as Writing Group Chairs and members. One complete list of recent volunteers was discussed and each volunteer was assigned to a subcommittee or, in some case, to another consensus committee.

B. Performance Based Standards – Prasad Kadambi

Kadambi presented this issue. Although he did design a flow chart to explicate the topic, he was unable to provide it at the time of the meeting. Presently, at the NRC there has been some progress in putting together guidelines. Performance Based as a regulation is a concern because it would mean that it meets the viability guidelines of commission papers (SECY 00191).

Performance Based must provide flexibility in well-defined boundaries that provide safety margin (physical or temporal). The NFSC must decide which of its standards are appropriate to be Performance-Based.

To be Performance Based it means the opposite of being prescriptive. The problem of being prescriptive is that it assumes that all is known and there are no changes. If Performance-Based is a possibility, then ANSI might be able to give SDO's longer standard lifetimes. Prescriptive standards relieve the user of responsibility. Performance-Based, on the other hand, requires a greater understanding of the process by the user.

Performance Base provides high-level confidence in achieving successful performance, which will also meet the expectations without prescribing to the user every aspect of what needs to be done; this is a different way of thinking.

The committee felt that a paradigm of a Performance-Based standard would be needed in order to make future decisions. It was suggested that one of our current standards be converted to Performance-Based to compare the two standards. Then the NFSC could make educated decisions.

Mallay suggested that ANS-56.8 and ANS-3.12.2 could be classified as Performance Based. Savy also said that he would send Kadambi ANS-2.29 to see if that could be classified as Performance Based. Much more work needs to be done by this special subcommittee to develop criteria that can be used by standards writers to determine if Performance Based is appropriate for the particular document. Prasad Kadambi will report again at the November meeting.

C. New Volunteers

Working group chairs and especially writers are in demand right now. Shawn provided a list of volunteers and their credentials to the NFSC. The NFSC group assigned volunteers to subcommittee chairs.

D. New Plant Design

Bill Kouba joined the meeting as an alternate for Tom Luke. He gave a presentation on the new Pebble Bed Modular Reactors and the role that Exelon will play in their development. This can be found as attachment, 13.

This completes the NFSC meeting.

Submitted By,

Suriya Ahmad
NFSC Administrator