

### **Members Present**

Donald Spellman, *NFSC Chair, ORNL*  
R. Michael Ruby, *NFSC Vice Chair, Constellation Energy*  
Patricia Schroeder, *Standards Administrator, American Nuclear Society*  
Charles K. Brown, *Southern Nuclear Operating Company*  
Timothy Dennis, *Individual*  
Richard W. Englehart, *U.S. Department of Energy*  
Peter S. Hastings, *Duke Energy*  
N. Prasad Kadambi, *U.S. Nuclear Regulatory Commission*  
Malcolm LaBar, *General Atomic*  
Sheila Lott, *Los Alamos National Laboratory*  
Carl Mazzola, *Shaw Environmental & Infrastructure, Inc.*  
Charles H. Moseley, Jr., *BWXT Y-12*  
Dennis Newton, *AREVA*  
Norman Prillaman, *Framatome/AREVA*  
William B. Reuland, *Individual (Previous Affiliation: EPRI)*  
J. Andy Wehrenberg, *Southern Nuclear Operating Company*  
Michael J. Wright, *Grand Gulf Nuclear Station, Entergy Operations, Inc.*  
Allen Vieira, *Bechtel Power Corporation (Alternate for Jesse Love)*

### **Members Absent**

William H. Bell, *South Carolina Electric & Gas Company*  
Jeffery R. Brault, *Individual*  
Robert H. Bryan, Jr., *Tennessee Valley Authority*  
Michael T. Cross, *Westinghouse Electric Company*  
Shami Dua, *AECL/CSA, Canadian Liaison*  
Donald R. Eggett, *AES Engineering*  
Richard Hall, *Exelon Generation Company, LLC.*  
Rick A. Hill, *ERIN Engineering & Research, Inc.*  
Eric Loewen, *Idaho National Laboratory*  
Evan Lloyd, *Exitech Corporation*  
Jesse E. Love, *Bechtel Power Corporation*  
Robert McFetridge, *Westinghouse Electric Company, LLC*  
Donald M. Reynerson, *The Phoenix Index, Inc.*  
James C. Saldarini, *Bechtel SAIC Company, LLC*  
Robert E. Scott, *Scott Enterprises*  
Steven Stamm, *Stone & Webster, Inc.*  
John D. Stevenson, *J.D. Stevenson Consultants*  
Charles D. (Tom) Thomas, Jr., *Individual (Previous affiliation: Yankee Atomic Company)*

### **Guests**

Clinton Eldridge, *Pacific Gas & Electric*  
Neil Brown, *Lawrence Livermore National Laboratory*  
Steve Giannell, *Southern California Edison*  
Daniel Hang, *Individual (Previous affiliation: University of Illinois-Urbana)*

### **1. Welcome and Call to Order**

Don Spellman called the meeting to order and introductions were made. Dennis Newton was welcomed as a new member and subcommittee chair of ANS-22, System Level Design.

## **2. Approve Agenda**

The agenda was approved without dissent.

## **3. Standards Discussion Meeting**

A. ANS-53.1, "Nuclear Safety Criteria for the Design of Modular Helium-Cooled Reactor Plants" Malcolm LaBar explained that Subcommittee ANS-28 was recently created to address gas cooled reactors currently under development. The PINS of ANS-53.1 saw an objection to the term "modular," however; the subcommittee thought it was very important. The term "modular" remained in the title and was approved. The draft is being written risk-informed. Currently ANS-53.1 is meeting regularly at both ANS meetings and roughly two additional times a year. Since ANS-53.1 is the sole project of Subcommittee ANS-28, the subcommittee is operating as a working group. Once the first standard is completed, several subsidiary standards will be identified and additional working groups will be formed. LaBar anticipated a draft of ANS-53.1 to be completed by this time next year.

Don Spellman stated this is the first time one of our subcommittees has had funds for travel and teleconferences. Funds have been granted through Dick Black of the U.S. Department of Energy and have had a positive affect on the productivity of the group.

LaBar explained the draft currently doesn't look like a standard. Spellman said that he will be involved with the group in formatting the draft.

B. ANS-51.1, "Nuclear Safety Criteria for the Design of Stationary Pressurized Water Reactor Plants," and ANS-52.1, "Nuclear Safety Criteria for the Design of Stationary Boiling Water Reactor Plants"

Spellman explained that when Rick Hill left GE, he was not able to maintain his position as working group chair of ANS-51.1/52.1 as well as his role of subcommittee chair. Pat Schroeder informed the committee of the work to replace Hill and keep the project moving. Hill initially recruited Dennis Newton to replace him as working group chair of ANS-51.1/ 52.1. At the recommendation of Spellman, Newton was approached to take over for Hill as subcommittee chair and two working group chairs were identified for ANS-51.1/52.1. Mark Linn, Oak Ridge National Laboratory, and Ken McCall, General Electric, accepted the chair positions for ANS-51.1, ANS-52.1 respectively. To aid the working groups in travel and teleconference funds, a grant proposal has been drafted.

Newton commented on the international participation in the working group and asked if any consideration should be given to write the standards for international use. After a lengthy discussion, it was the consensus of the committee that American Nuclear Society standards are national standards and should be written for national requirements. The key objective should be to write national standards for NRC endorsement. LaBar suggested that, once completed, ANS should submit the standards to the International Organization of Standardization (ISO) for consideration as an international standard.

Prasad Kadambi explained four approaches for writing standards; 1) Traditional (prescriptive), 2) performance based and risk-informed, 3) margin-based system, and 4) graded. Kadambi commented the traditional or prescriptive approach is 30 years outdated.

Newton mentioned that neither ANS-51.1 or ANS-52.1 were endorsed by the NRC. Kadambi was asked what process there was in place for gaining NRC endorsement. Kadambi explained there was not any one process. Depending on the vehicle, a Standard Developing Organization (SDO) can approach the regulatory authority and ask for endorsement. Spellman inquired whether it would be beneficial to notify the NRC during development or once finished. Kadambi recommended to approach the NRC during development. Additionally Kadambi proposed a guidance document (or standard) be developed for nuclear safety criteria for endorsement by technical community first and then submitted to the NRC.

Clint Eldridge stated, "having a NRC representative as part of the working group does not provide automatic NRC endorsement." Mike Ruby suggested that we write a policy to support endorsement of ANS standards. Spellman expressed it would be helpful to have NEI support of this concept. Bill Reuland recommended that a small committee be formed with NEI and DOE to develop guidelines for acquiring NRC endorsement. Kadambi felt it would be very helpful if ANS, NEI, and DOE came together on this issue.

After considerable discussion, the following motion was made:

To form a special committee to approach NEI & DOE to develop method for obtaining NRC endorsement of standards specific to design criteria.

The motion was seconded, and a vote was taken, with the motion receiving unanimous approval.

Action Item 11/05-01: Don Spellman to find an NEI participant for a special committee to develop method for obtaining NRC endorsement of ANS standards specific to design criteria.

Action Item 11/05-02: Dick Englehart to find DOE participation for special committee to develop method for obtaining NRC endorsement of ANS standards specific to design criteria.

Action Item 11/05-03: Don Spellman, Prasad Kadambi, Peter Hastings, Dennis Newton, Malcolm LaBar, NEI Rep/DOE Rep. form special committee to develop method for obtaining NRC endorsement of ANS standards specific to design criteria. (Co-chairs: Don Spellman & NEI Rep.)

#### C. ANS 3.8 Series Standards

Charles Brown reported on the Emergency Planning Ad Hoc Committee Meeting that occurred the previous day. With the failure of the reaffirmation ballot for the six emergency preparedness standards, revisions are planned. Patricia (Trish) Milligan has accepted to lead the working group for revisions of the standards. Milligan is the Senior Advisor for Emergency Preparedness, Office of Nuclear Security and Incident Response, at the NRC.

The ad hoc meeting included members from the N16 Consensus Committee. Their general feelings were that emergency preparedness standards have no connection to criticality safety standards as criticality safety standards only affect a very small area.

The emergency preparedness working group will take into account the Department of Homeland Security's NIMS that includes nuclear and chemical preparedness policies. An attempt will be made to revise the standards to replace the 0654 EP Standards that were written in 1980. Milligan will work on getting NEI and DHS involvement. A core group will get together at the beginning of next year and bring a plan to the NFSC June 2006.

Recently an NWIP for ISO TC-85, SC-6 on emergency preparedness failed to gather enough country participants to go forward. However, ISO is holding an emergency preparedness conference next April in Florence, Italy. Charles Brown and Don Spellman will attend, hopefully Trish Milligan will also.

#### D. ANS-2.26, 2.27, 2.29 etc. Seismic Issues

Neil Brown provided an update on ANSI/ANS-2.26-2004, "Categorization of Nuclear Facility Structures, Systems, and Components for Seismic Design," ANS-2.27-200x, "Criteria for Investigations of Nuclear Facility Sites for Seismic Hazard Assessments," ANS-2.29-200x, "Probabilistic Seismic Hazard Analysis," and ASCE/SEI 43-05 "Seismic Design Criteria for Structures, Systems, and Components in Nuclear Facilities. All four documents are performance based and risk-informed. ANSI/ANS-2.26-2004 and ASCE/SEI 43-05 have been published. Kathryn

Hanson, the working group chair of ANS-2.27, expects to have a draft ready for ANS-25 review by end of the year. ANS-2.29's chairman, Martin McCann, has been struggling to find time to devote to the project and agreed to have Jean Savy replace him as chair. McCann and Savy will review the current draft and send out for working group review. A draft of ANS-2.29 may be ready for ANS-25 in March of 2006 with NFSC ballot by the end of 2006.

#### E. ANS-3.2, "Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants"

Clint Eldridge, ANS-3.2 working group chair, updated the committee on the revision to ANSI/ANS-3.2-1994;R1999. The NFSC ballot closed the end of August 2005. Comment responses were provided to six "approved with comments" ballots, two not approved ballots, and one abstained ballot. Negative balloters agreed to change their vote and the project is now ready for the next step.

Eldridge reported that the NRC is probably waiting on the completion of an EPRI implementation document before they endorse ANS-3.2.

Committee members asked why quality assurance standards ASME's NQA-1 and ANS-3.2 have not been combined into one standard. The feeling of the committee was that a combined quality assurance standard would be easier to use and welcomed by the industry. Chuck Moseley felt it was doable, but there would be difficulty resolving revenue issues. Don Spellman expressed he didn't know the answer but was open to suggestions from the 3.2 working group. Eldridge and Moseley agreed to discuss at the next working group meeting tentatively scheduled for January 2006.

Action Item 11/05-4: Chuck Moseley to work with ANS-3.2 working group to recommend approach to discussing one QA standard with ASME.

## 4. Management Reports

### A. Executive Committee/Chair Report

Don Spellman stated much time was spent to reinvigorate the 3.8 series standards. An attempt was made to start a new NTAG subcommittee on emergency preparedness and siting. TC-85, SC6 will meet in June 2006 in Ottawa, Canada. NTAG will meet in Washington DC next Wednesday, November 16, 2005. Spellman reported he is working on getting funds for the emergency preparedness and design standards. The funds will assist in expediting the writing process by allowing additional meetings and conference calls.

### B. Secretary Report

Pat Schroeder provided the committee the following reports – Attachment A:

- 1) Project Activity Report
- 2) Status of Standards Report
- 3) Delinquent Standards Report
- 4) Maintenance Hot List

Schroeder informed the committee of work on the 2005 Standards Committee Report of Annual Activities. Currently Standards Assistant, Blanca Hinojosa, has e-mailed all working group, subcommittee, and consensus committee chairs requesting updated information. Schroeder stated there were no open clarifications, however, two errata were being prepared on ANS-18.1 and ANS-58.2 as a result of two clarification issued earlier in the year.

Schroeder asked committee members to notify her when business or personal difficulties prevent fulfilling of NFSC responsibilities. In extreme cases a request for a temporary leave of responsibilities is permitted. This way non-response would not affect the ballot tally negatively.

Schroeder asked for members' opinion on the cost of ANS standards relative to comparable industry standards.

Action Item 11/05-5: Pat Schroeder to send request to all consensus committees to review pricing of ANS standards for comparability with other SDOs.

C. Standards Coordinator (Special Committee on Volunteers)  
Vice Chair Mike Ruby distributed volunteer reports to subcommittee chairs and asked for each to address placement issues and notify ANS headquarters of determination.

Action Item 11/05-06: Subcommittee chairs review volunteer report to address placement and notify ANS headquarters of determination. Due Date: December 14, 2005.

## 5. Subcommittee Reports

### A. ANS-21, Nuclear Power Plant Design Criteria & Operations

Tim Dennis reported that ANS-3.1, "Selection, Qualification and Training of Personnel for Nuclear Power Plants," ANS-3.4, "Medical Certification and Monitoring of Personnel Requiring Operator Licenses for Nuclear Power Plants," and ANS-3.5 have a lot of action going on with INPO. The NRC asked Dennis to hold development of ANS-3.5, "Nuclear Power Plant Simulators for Use in Operator Training and Examination." Dennis stated ANS-3.5 PINS comment resolutions were completed and will be sent to ANS headquarters for distribution. Dennis is currently working on finding chairs for working groups ANS-58.6, ANS-3.1, and ANS-3.4.

Action Item 11/05-07: Tim Dennis to find new chairs for ANS-56.8 and ANS-3.1, and ANS-3.4.

Action Item 11/05-08: Pat Schroeder to send Chuck Moseley a copy of ANS-3.4.

### B. ANS-22, System Level Design (ANS-22 Report Attachment B)

Dennis Newton stated the subcommittee has eight current standards. Project activity is currently centered on ANS-51.1, "Nuclear Safety Criteria for the Design of Stationary Pressurized Water Reactor Plants," and ANS-52.1, "Nuclear Safety Criteria for the Design of Stationary Boiling Water Reactor Plants," discussed previously under 3 B. Don Spellman questioned plans for ANS-59.51-1997 Fuel Oil Systems for Safety-Related Diesel Generators," and "ANS-59.52-1998, "Lubricating Oil Systems for Safety-Related Emergency Diesel Generators."

Action Item 11/05-09: Dennis Newton to check with Rick Hill regarding appropriate action on ANS-59.51-1997 and ANS-59.52-1998.

C. ANS-23, Decommissioning and Site Remediation (ANS-23 Report Attachment C)  
Subcommittee Chair, Donald Eggett, was unable to attend the meeting but provided a report.

### D. ANS-24, Analysis

Andy Wehrenberg reported that Carl Beyer continues working on ANS-5.4, "Method for Calculating the Fractional Release of Volatile Fission Products from Oxide Fuel." Beyer is currently reconciling release models and will finish draft soon. A new PINS has been prepared for ANS-18.1, "Radioactive Source Term for Normal Operation of Light Water Reactors," and is currently out for vote with the NFSC. Working Group ANS-58.2, "Design Basis for Protection of Light Water Nuclear Power Plants Against the Effects of Postulated Pipe Rupture," is addressing comment received from ACRS and developing a new PINS. ANS-58.2 working group chair, Jim Gilmer, has changed companies and may not be able to continue leading the project.

### E. ANS-25, Siting (ANS-25 Report Attachment D)

Carl Mazzola introduced Dan Hang, working group chair of ANS-40.21, "Siting and Operation of Commercial Burial Grounds." Mazzola provided a detailed written report. Highlights include a new chair for ANS-2.6, PINS in works for ANS-40.21, PINS for ANS-2.30, and ANS-3.8.10 in approval process. Project ANS-2.3, ANS-2.9, ANS-2.17, and ANS-2.22 have recently approved PINS. All are

developing well. The NFSC questioned if Working Group ANS-2.22, "Environmental Radiological Monitoring at Nuclear Facilities," had an NRC representative.

Action Item 11/05-10: Pat Schroeder to check ANS-2.22 membership roster for NRC representative.

ANS-3.11-200x has completed a second ballot and comments resolutions will be prepared quickly in an attempt to complete the process for approval before the end of the year. A comment regarding the reference statement in ANS-3.11-200x was discussed as it applied to use of revisions to referenced standards. Don Spellman informed the committee of the Standards Committee Policy on Maintenance as it specifies the use of reference statements. Spellman offered to discuss concerns with the Standards Board at tomorrow's meeting and provide proper wording.

Action Item 11/05-11: Don Spellman to discuss appropriate reference statement for use above references in ANS-3.11-200x at Standards Board meeting.

Mazzola stated he expects ANS-3.11 to be endorsed by NRC. ANS-2.15, 2.16, 2.21 & ANS-3.8.10 will meet tomorrow. ANS-3.8.10 has broken out from ANS-2.16. (For more details and titles see Attachment D)

F. ANS-26, Emergency Planning  
See 3C for ANS-3.8 Series

G. ANS-27, Fuel Cycle and Waste Management  
Carl Mazzola informed the NFSC of Jeff Brault's retirement from Savannah River National Laboratory. Mazzola was not aware if Brault planned to continue activity on NFSC. At Don Spellman's request, Sheila Lott agreed to provide support to ANS-27 along with Mike Ruby while Brault's availability and interest is determined.

Action Item 11/05-12: Sheila Lott with the support of Mike Ruby to review ANS-27 projects and assist Jeff Brault on those requiring immediate action.

Action Item 11/05-13: Pat Schroeder to send ANS-27 materials to Sheila Lott and Mike Ruby.

Action Item 11/05-14: Carl Mazzola to find Jeff Brault's home contact information for Mike Ruby.

Action Item 11/05-15: Mike Ruby to contact Jeff Brault regarding his availability and interest to maintain membership on NFSC.

H. ANS-28, Gas Cooled Reactor Standards  
See 3A for ANS-53.1

**6. Action Items** (Minutes page 9-11)  
Old action items were reviewed.

November 2005 action items are included at the end of the minutes.

## **7. Liaison Reports**

A. NQA (Attachment E)

Chuck Moseley reported that ASME NQA Committee met in San Francisco in October 2005. A fair amount of time was devoted to the role of standards in the new generation plants being planned for Grand Gulf and Bellefonte. Moseley completed mandatory training on SQA and new order DOE 4.14.1.

## B. ANSI

Pat Schroeder reported that revised Standards Committee Rules and Procedures were submitted to ANSI in August 2005 for reaccreditation. Notice of public review was published in ANSI Standards Actions in October 2005 with comments requested by November 27, 2005. Confirmation on approval should be received shortly. The new Standard Committee Rules and Procedures will be posted on the web for reference.

## C. TC85/SC6

Don Spellman reported SC-6 has become reasonably active with two working groups and two ad hoc committees. Re-elections of NTAG officers were recently completed. The next meeting of SC-6 will be in conjunction with the TC85 meeting planned for June 2006 in Ottawa.

## D. CSA/NFSC Standards Liaison

No report was provided.

## 8. Old Business

### A. Procedure on Standards for Nuclear Facilities (Flow chart Attachment F)

Bill Reuland prepared a flow chart to breakdown what facilities were covered. He explained the chart's purpose is to determine what type of nuclear facility the standard should be written for. After discussion, the committee felt the chart needed to be revised to include DOE and NRC divisions. A suggestion was made for Reuland to work with Prasad Kadambi and Dick Englehart.

Action Item 11/05-16: Bill Reuland to work with Prasad Kadambi and Dick Englehart to revise "Standards Scoping Flow Chart" to include DOE and NRC divisions.

Action Item 11/05-17: Pat Schroeder to re-send a "Word" copy of "Standards Scoping Flow Chart to NFSC.

### B. NFSC/CSA Liaison Responsibilities (reciprocal services) (CSA Meeting Notes Attachment G)

Bill Reuland reminded the committee that the CSA/NFSC liaison came about from Prasad Kadambi's association with Shami Dua on the Pacific Nuclear Council. An invitation was extended for Dua to attend an NFSC meeting resulting in a proposed NFSC/CSA Liaison. Reuland, as NFSC Liaison, attended a meeting with Shami Dua and other top Canadian Standards Association (CSA) managers. An entire day was committed to discussing the arrangements and benefits of this relationship. The benefits discussed include:

- Harmonization of standards between countries will reduce overlap and duplication
- Utilization of limited resources and expertise in the development and maintenance of standards
- Increased trade and export opportunities, assists in developing a broader pool of nuclear suppliers
- Benefits to suppliers who can use common standards with reduced level of scrutiny / auditing from each country
- Strengthening of US/Canada position in the international standards arena (IAEA, ISO, etc.)

Action Item 11/05-18: Pat Schroeder to email Report on NFSC and CSA Meeting on Liaison and Harmonization of Standards draft to NFSC.

Reuland stated CSA is mainly interested in nuclear electricity plants. Several recommendations were outlined from the meeting. The NFSC felt the benefit to the alliance was in areas both CSA and the United States was lacking for a standard. The committee recommended for Reuland to review the CSA Catalog of Standards for potential CSA standards of benefit to the United States.

Action Item 11/05-19: Bill Reuland to review CSA Catalog of Standards for potential CSA standards of benefit to the United States.

Action Item 11/05-20: With permission of Shami Dua, Bill Reuland (via Pat Schroeder) to distribute CSA Catalog of Standards to the NFSC.

### **9. New Business**

#### **A. New Effort on Standards For Emergency Preparedness**

Discussed under 3 C. ANS 3.8 Series Standards.

#### **B. Establishing Liaison with DHS Standards Committee**

Don Spellman reported that the new working group chair leading the revisions to the emergency preparedness standards, Trish Milligan, will be pursuing DHS support for the project.

#### **C. New PINS Forms**

The NFSC was provided an opportunity to vote on the PINS of ANS-2.30, "Assessing Capability for Surface Faulting at Nuclear Facilities," and ANS-18.1, "Radioactive Source Term for Normal Operation of Light Water Reactors."

The meeting was adjourned at 4:00 p.m. EST

**NFSC Action Items • November 2005**

<b>Action Item</b>	<b>Description</b>	<b>Responsibility</b>	<b>Status</b>
11/05-01	Don Spellman to find an NEI participant for a special committee to develop method for obtaining NRC endorsement of ANS standards specific to design criteria.	Don Spellman	Open
11/05-02	Dick Englehart to find DOE participation for special committee to develop method for obtaining NRC endorsement of ANS standards specific to design criteria.	Dick Englehart	Open
11/05-03	Don Spellman, Prasad Kadambi, Peter Hastings, Dennis Newton, Malcolm LaBar, NEI Rep/DOE Rep. form special committee to develop method for obtaining NRC endorsement of ANS standards specific to design criteria. (Co-chairs: Don Spellman & NEI Rep.)	Don Spellman, Prasad Kadambi, Peter Hastings, Dennis Newton, Malcolm LaBar, NEI & DOE Rep.	Open
11/05-04	Chuck Moseley to work with ANS-3.2 working group to recommend approach to discussing one QA standard with ASME.	Chuck Moseley	Open (doing)
11/05-05	Pat Schroeder to send request to all consensus committees to review pricing of ANS standards for comparability with other SDOs.	Pat Schroeder	Open (done)
11/05-06	Subcommittee chairs review volunteer report to address placement and notify ANS headquarters of determination. Due Date: December 14, 2005.	Tim Dennis, Dennis Newton, Don Eggett, Andy Wehrenberg, Jeff Brault	Open
11/05-07	Tim Dennis to find new chairs for ANS-56.8, ANS-3.1, and ANS-3.4.	Tim Dennis	Open
11/05-08	Pat Schroeder to send Chuck Moseley copy of ANS-3.4.	Pat Schroeder	Closed
11/05-09	Dennis Newton to check with Rick Hill regarding appropriate action on ANS-59.51-1997 and ANS-59.52-1998.	Dennis Newton	Closed
11/05-10	Pat Schroeder to check ANS-2.22 membership roster for NRC representative.	Pat Schroeder	Open (done)
11/05-11	Don Spellman to discuss appropriate reference statement for use above references in ANS-3.11-200x at Standards Board meeting.	Don Spellman	Closed
11/05-12	Sheila Lott with the support of Mike Ruby to review ANS-27 projects and assist Jeff Brault on those requiring immediate action.	Sheila Lott, Mike Ruby	Open
11/05-13	Pat Schroeder to send ANS-27 materials to Sheila Lott and Mike Ruby.	Pat Schroeder	Open (done)
11/05-14	Carl Mazzola to find Jeff Brault's home contact information for Mike Ruby.	Carl Mazzola	Closed

11/05-15	Mike Ruby to contact Jeff Brault regarding his availability and interest to maintain membership on NFSC.	Mike Ruby	Open (done)
11/05-16	Bill Reuland to work with Prasad Kadambi and Dick Englehart to revise "Standards Scoping Flow Chart" to include DOE and NRC divisions.	Bill Reuland, Prasad Kadambi, Dick Englehart	Open
11/05-17	Pat Schroeder to re-send a "Word" copy of "Standards Scoping Flow Chart to NFSC.	Pat Schroeder	Closed
11/05-18	Pat Schroeder to email Report on NFSC and CSA Meeting on Liaison and Harmonization of Standards draft to NFSC.	Pat Schroeder	Closed
11/05-19	Bill Reuland to review CSA Catalog of Standards for potential CSA standards of benefit to the United States.	Bill Reuland	Open (done)
11/05-20	With permission of Shami Dua, Bill Reuland/Pat Schroeder to distribute CSA Catalog of Standards to the NFSC.	Bill Reuland, Pat Schroeder	Open (inquired)
6/05-01	Evan Lloyd to review ANS-3.8 series standards and provide reaffirmation statement to Pat Schroeder. Due Date: July 1, 2005	Evan Lloyd	Closed
6/05-02	Don Spellman to look into DHS funding for 3.8 series standards revisions with Karen McCarthy. Due Date: December 31, 2005	Don Spellman	Closed
6/05-03	Chuck Moseley to send Carl Mazzola new NRC Reg. Guide on Structures, Systems, and Components. Due Date: September 2005	Chuck Moseley	Closed
6/05-05	Mike Ruby to work with Jeff Brault and Shiela Lott to form new working group to revise ANS-57.1. Due Date: June 2006	Mike Ruby, Jeff Brault, and Shiela Lott	Open
6/05-06	Don Spellman to find working group members for ANS-58.3. Due Date: December 31, 2005	Don Spellman	Closed
6/05-07	Andy Wehrenberg to review ANS-5.10 and provide Pat Schroeder with reaffirmation statement. Due Date: June 2006	Andy Wehrenberg	Open
6/05-08	NFSC to send names of potential working group members to Carl Mazzola for ANS-40.21. Due Date: November 2005	NFSC Members	Closed
6/05-09	Carl Mazzola to contact ANS-2.2 working group chair to discuss the possibility of including nuclear facilities to the standard. Due Date: June 2006	Carl Mazzola	Open (done)
6/05-10	Dick Englehart to find DOE representative to work on ANS-2.3. Due Date: November 2005	Dick Englehart	Closed

6/05-12	Bill Reuland to draft a procedure for standards scope and objectives statements regarding power plants vs. DOE facilities vs. both in an effort to identify which standards should apply to all facilities. Due Date: November 2005	Bill Reuland	Closed
6/05-14	Pat Schroeder to send electronic copy of ANS-57.10 to Jeff Brault, Peter Hastings, Rick Hill, Gon Maxwell, and Shiela Lott (added 11/05) for review and consideration for reaffirmation. Due Date: June 2006	Pat Schroeder	Open (done)
6/05-17	Don Spellman to locate list of American National Standards used by U.S. for Shami Dua. Due Date: November 2005.	Don Spellman	Closed
6/05-18	Carl Mazzola to provide Pat Schroeder PINS for ANS-2.6, ANS-2.8, ANS-2.25, and ANS-40.21. Due Date: June 2006	Carl Mazzola	Open
6/05-19	Shami Dua and Bill Reuland to work together on proposal for reciprocal liaison services for approval by CSA and ANS Standards Board. Due Date: November 2005	Shami Dua and Bill Reuland	Closed
11/04-03	Charlie Brown to provide reaffirmation letter/statement to Pat Schroeder to begin reaffirmation process. Due Date: July 1, 2005	Charlie Brown/ Evan Lloyd	Closed
11/04-08	Shami Dua to provide a list of all standards they use to Steve Stamm. Due Date: November 1, 2005	Shami Dua	Closed
11/04-10	Pat Schroeder to provide subcommittee chairs list of inactive volunteers from database. Due Date: June 2006	Pat Schroeder	Open
11/04-12	Mike Ruby to generate a PINS to justify need for a revision to ANS-4.5. Then work with Tim Dennis, Shami Dua, Rick Hill, and Prasad Kadambi to resolve what action ANS should take on a coordinated standard (ANS-4.5). Due Date: June 2006	Mike Ruby, Tim Dennis, Shami Dua, Rick Hill, and Prasad Kadambi	Open
11/04-14	Don Spellman to find ANS-22 Subcommittee Chair to replace Rick Hill.	Don Spellman	Closed
6/04-07	Andy Wehrenberg to get a hold of Carl Beyer WGC-5.4. May need to contact Emory Collins as well. Due Date: November 2005	Andy Wehrenberg	Closed
11/03-08	ANS HQ will work toward the update and completion of volunteer list. Will contact chairs and ask them to provide list of volunteers on their committees. Due Date: November 2005	Don Spellman, Mike Ruby, and Pat Schroeder	Closed
06/03-19	Send Kadambi ANS-41.6 and ANS-41.7 to be considered for performance-based standards Due Date: February 2005	Don Eggett	Closed
6/01-13	Send proposed PINS form to ANS Headquarters for the revisions of ANS-58.2. New Due Date: June 2006	Andy Wehrenberg	Open