

**American Nuclear Society (ANS)
Standards Board (SB) Webconference Minutes
February 14, 2012**

Participating Members:

Donald J. Spellman, *Standards Board Chair, Oak Ridge National Laboratory*

James K. August, *Standards Board Vice Chair, CORE, Inc.*

Robert J. Budnitz, *RISC Chair, Lawrence Berkeley National Laboratory*

Robert D. Busch, *N16 Chair, University of New Mexico*

William C. Gattoni, *Member at Large, Worley Parsons Group*

Stanley H. Levinson, *ASME Liaison, AREVA Inc.*

James Mallay, *Observer, Individual*

Herbert W. Massie, *Member at Large, Defense Nuclear Facilities Safety Board*

Carl A. Mazzola, *NFSC Chair, Shaw Environmental and Infrastructure, Inc.*

Charles H. (Chuck) Moseley, *Member at Large, Individual*

Mathew M. Panicker, *Member at Large, U.S. Nuclear Regulatory Commission*

Robert D. (David) Sachs, *Member at Large, Individual*

R. Michael Ruby, *Member at Large, Individual*

Patricia A. Schroeder, *Standards Board Secretary, American Nuclear Society*

Steven L. Stamm, *Member at Large, Individual*

William M. Turkowski, *Member at Large, Westinghouse*

1. Opening Remarks, Roll Call

Chairman Donald Spellman explained that the webconference was arranged to get an update on task group progress. He was excited with the efforts he had heard about and looked forward to hearing the reports. Pat Schroeder recorded the members that were able to participate.

2. Communications Task Group (Budnitz, Hastings, Levinson, Massie, Mazzola, McAndrews)

Robert Budnitz reported that the Communications Task Group held a teleconference. Minutes were provided (see Attachment A). They accepted the scope to improve the links between the ANS Standards Board and U.S. Standard Development Organizations (SDOs), international SDOs, and standards users. Current and potentially beneficial liaisons were discussed. Steve Stamm recommended a liaison with the Western European Nuclear Regulators' Association. A second teleconference was needed to define action items. Budnitz expressed concern that task group members were not in a position to chair the task group, and without a leader, the task group would not be successful.

3. Priority Task Group Report (August, Panicker, Raby)

Jim August explained that the Priority Task Group could benefit from additional members, or minimally, input from more individuals. He reported that he passed along information on ANS standards to the Nuclear Energy Standards Coordination Collaborative (NESCC). August stated that initially much consideration was given to standards needed for severe accidents similar to Fukushima, but with the recent U.S. Nuclear Regulatory Commission's approval of a combined

construction and operating license, significance would also be placed on standards to support new builds.

August asked Schroeder to re-distribute the spreadsheet he circulated 8/17/11 with his proposed standards priority for their input.

Action Item 2/12-01: Pat Schroeder to re-distribute Jim August's proposed standards priority spreadsheet for input.

4. Information Technology Task Group Report (Busch, Justice, Turkowski)

Robert Busch summarized the progress of the Information Technology Task Group; meeting notes were provided (see Attachment B). He reported that the task group held two webconferences. A primary focus was encouraging the development of an electronic balloting system. ANS staff recently held a discussion with staff of the American Society of Testing and Materials (ASTM) about using their electronic balloting system among other products. While many of the products would be beneficial, ASTM's electronic balloting system would probably not meet the needs of ANS. Other options would need to be considered.

Busch explained that the task group used anymeeting, a free webconference product, to work on tasks. Pay for products such as WebEx and Live Meeting were also recognized. Task group members felt the product met minimal needs for live document sharing and editing, but difficulty transferring presenter capabilities and some firewall issues were recognized. Additionally, the task group identified two products for storing documents –Dropbox and SharePoint. Dropbox was a free product but had limitations on file size and may have problems with simultaneous users. William Turkowski added that the Boiling Water Reactors Owners Group used SharePoint but that it was expensive and, therefore, not a realistic option. He explained that the Pressurized Water Reactors Owners Group had used Google Docs for electronic ballots, but reverted to using email because of significant issues with organizations' firewalls.

5. Sales Task Group Report (Gattoni, Sachs, Stamm)

The Sales Task Group provided a presentation (see Attachment C). Steve Stamm stated that the task group's ambitious goal was to develop recommendations that would result in increased standards sales by a factor of two to three times. He explained that the four primary sources of revenue included 1) standards sales through the ANS store, 2) royalties from electronic subscriptions through the Information Handling Services, 3) membership fees from the Information Center on Nuclear Standards, and 4) subscriptions to *Nuclear Standards News*. Stamm reviewed a list of 14 recommendations developed by the task group to increase sales. Members suggested that the pricing of standards be evaluated and that postings related to ANS standards be added to Wikipedia.

6. Policy Task Group Report (Kadambi, Mallay, Moseley, Spellman)

Donald Spellman reported that the Policy Task Group held a teleconference last week. He explained that the task group engaged in fairly long discussions that included the formation of the Joint Committee on Nuclear Risk Management (JCNRM). Robert Budnitz expressed great

dissatisfaction with staff of the ASME in finalizing the joint committee. He explained that all involved were trying to resolve the conflict.

Spellman reminded members of the proposal he presented at the last Standards Board meeting to establish a new consensus committee called the Risk Application Standards Committee (RASC). Budnitz asked for Spellman to provide him the current, draft scope for RASC so that he could share with the JCNRM Executive Committee at their meeting the following week.

Action Item 2/12-02: Donald Spellman to distribute the current RASC scope and proposed consensus committee/subcommittee structure.
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Spellman explained the proposed organizational chart for subcommittee restructuring (see Attachment D). Members recognized that the JCNRM should be included on the organizational chart. A recommendation was made to change the name of the proposed RASC to differentiate it from the Risk Informed Standards Committee.

7. Other business/further action

Donald Spellman thanked everyone for their hard work and support. The webconference was concluded at 3:38 CST.

MINUTES of a CONFERENCE CALL on 26 JANUARY 2012

of the

“Communications Subgroup” of the ANS Standards Board

NOTE: These minutes have been assembled as a cooperative effort of the three who participated in this call, who were aided by Stanley Levinson’s helpful editorial improvements.

Members who participated in this call:

Robert Budnitz
Herbert Massie
Caroline McAndrews

Members who were absent:

Peter Hastings
Stanley Levinson
Carl Mazzola

1) We accepted the “Scope of Work” that Don Spellman (Standards Board, SB, Chair) had suggested to this subgroup earlier, as follows:

Improve the links between the ANS Standards Board and US Standard Development Organizations (SDOs), International SDOs, and Standard Users.

2) We agreed that the way to discharge the responsibilities implied by this scope is first to formalize the links between these other groups and the SB, or the links to one of the SB’s consensus committees, and then to strengthen these links where appropriate. These links go in both directions (in principle). For example, there might be a “liaison” link between ANS and, say, the Institute of Electrical and Electronic Engineers (IEEE) in both directions – they would designate a liaison to our SB and the ANS SB would designate a liaison to their corresponding body. However, there might not be a need in every case for liaisons in both directions.

3) It was agreed that the first Action Item is **to identify all existing links to or from the SB, or to or from one of our ANS consensus committees.** A link is typically a “liaison” individual, but might be accomplished by another mechanism.

We believe that we need the assistance and support of ANS staff (Pat Schroeder) to accomplish this identification work.

4) From the current SB roster, we have identified a few such links already, which are:

- American Society for Testing and Materials (ASTM): Richard K. Blauvelt -- ASTM C26 Liaison
- International Organization for Standardization (ISO): N. Prasad Kadambi – ISO TC85 Liaison
- Nuclear Energy Institute (NEI): Jim Riley
- ASME (formerly American Society of Mechanical Engineers): Stanley Levinson – ASME Committee on Nuclear Risk Management (CNRM)

We also identified a few important counterpart organizations for which no formal link seems now to exist: IEEE, Electric Power Research Institute (EPRI), Nuclear Regulatory Commission (NRC), Institute for Nuclear Power Operations (INPO).

5) After we have identified all existing links, three initial Action Items were developed, as follows:

1. To identify any organizations for which there are no links/liasons, that is, where links do not currently (or formally) exist that we believe are important. For each non-existing link deemed important, an effort to establish one should be made.
2. For each existing link, an inquiry should be made to ascertain whether the link is serving both our purposes and the purposes of the other organization.
3. Where an inadequacy is identified (from Action Item 2), efforts are then necessary to strengthen the link appropriately.

6) There needs to be a mechanism to formalize the links that may be informal at the present time.

7) The subgroup believes that it is the role of the ANS SB Chair to establish and reinforce liaison positions vis-à-vis the ANS SB for critical SDOs and User Groups (e.g., Jim Riley of NEI).

8) The subgroup recommends that the ANS SB concur with the above recommended Action Items and responsibilities.

8) The subgroup has identified the following important responsibilities or roles of the links/liasons with other SDOs or with various users communities:

1. Ensure SDOs do not take on standards work that conflicts with that of another SDO.

2. Offer assistance to another SDO when there is obviously synergy between the goals of ANS and the development of a standard by another SDO.
 3. Identify the need for new or revised standards.
 4. Communicate liaison findings (conflict in standards development, need for new or revised standards, etc.) to the ANS SB to ensure that projects are properly staffed.
- 9) The subgroup believes that the ANS SB Chair should take actions to ensure that each SB Meeting includes liaison report – as related to the above four roles and responsibilities.

Standards Board Information Technology Task Group Report

Members:

Bob Busch

Wally Justice

Bill Turkowski

Task Group Purpose:

Established to encourage ANS to complete the standards volunteer membership database and to develop an on-line group meetings/comment resolution.

Assigned Task:

Prepare a scope for proposed group activities and goals for the next six months to be promulgated prior to and discussed at a conference call to be scheduled January/February 2012.

Scope:

To work with ANS staff to provide on-line meetings software suggestions to all standards groups for live document creating/editing, encourage development of an electronic balloting system with comment resolution capabilities, and encourage ANS to complete the web-access standards volunteer form/database.

Determine optimal database/software for ...
volunteer database
electronic balloting system
live meetings w/document sharing

Consider pros/cons for each tool including commercial, technical, maintenance requirements/costs.

Actions:

- 1) Members to use their organization's resources to gain information, possible IT solutions.
- 2) Bill Turkowski to check with Jim Riley on NEI IT tools.
- 3) Bill Turkowski & Bob Busch to check with their organizations on preferred on-line meetings tools.
- 4) Bill Turkowski to check if Westinghouse uses any electronic balloting tools.
- 5) Wally Justice to work with TVA's IT team to gain information about IT solutions.
- 6) Pat Schroeder to set up another telecon the week of Feb 6 – 10.

GOAL:

To come up with a recommendation for an optimal 1) volunteer database, 2) electronic balloting system, and 3) live meetings software.

ANS Standards Board Sales Task Group



**Report to ANS Standards Board
February 14, 2012**



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Scope and Goals

- **Scope**
 - Assess the standards sales process. Provide recommendations to increase standard sales and develop a Standard Sales Improvement Plan
- **Goal**
 - Develop recommendations that will result in increased standards sales by a factor of 2 to 3 times.
- **Sales Task Group (STG) Members**
 - William Gattoni
 - David Sachs
 - Steven Stamm



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Standard Sales

Gross Standard Sales – 10 Years

- 2002 \$19,467.60
- 2003 \$26,225.90
- 2004 \$53,273.42
- 2005 \$34,252.88
- 2006 \$46,054.30
- 2007 \$70,053.88
- 2008 \$74,383.70
- 2009 \$67,270.60
- 2010 \$105,262.85
- 2011 \$40,380.57
- (\$53,622/yearly average):

IHS Revenue History

- (2007) 78416.22
- (2008) 94206.77
- (2009) 96501.85
- (2010) 99153.47
- (2011) 100825.34
- Yearly average = 93820.73



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Sales Observations

- 2010 was significantly great than other years
 - DOE Workshop on ANS Standards
- 2011 sales were weak
 - No increase do to Fukushima
- Approximate Breakdown of Standards Related Revenues:

• ANS Direct Sales	\$50,000
• IHS	\$90,000
• ICONS	\$20,000
• Nuclear Standards News	\$7,000



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Who are our Clients?

Prospective Standards Buyers

- Nuclear utilities [including international],
- NRC
- DOE [Department of Energy],
- IEEE
- IEC [International Electrotechnical Commission]
- ISA [Institute of Standards and Automation]
- NEI [Nuclear Energy Institute]
- IAEA [International Atomic Energy Agency]
- DNFSB [Defense Nuclear Facility Safety Board]
- NEPC [National Energy Policy Committee]
- Institute of Nuclear Power Operations [INPO]
- A&E [Architects and Engineers]
- DOE – including the NNSA [National Nuclear Security Administration]
- Universities
- National Labs
- Regulators (World-Wide)
- Manufactures [of nuclear related items – such as, nuclear instrumentation]
- Other SDOs



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Sales Task Group (STG) Recommendations*

1. Review the Mattson Report for items to increase standards sales (STG)
2. Increase the number of standards referenced by NRC and DOE. (ANS SB)
3. Evaluate standards to assess whether they are too complex or too high level. (ANS SB)
4. Check with ANS IT to assess potential solutions and costs of electronic document security measures (Pat Schroeder)
5. Evaluate options to increase the sensitivity of standards purchasers to unauthorized redistribution of standards (STG)
6. Develop plan and approach for creating more comprehensive targeted notification list. (STG)
7. ANS develop approach to track standards purchasers so there is sufficient information to track standard sales by purchaser classifications and such that the sales information can be used in a targeted sales approach. (Pat Schroeder/ Steve Stamm/ANS IT)
8. Develop plan to increase ANS standards referenced in other SDO standards (ANS SB)

* Suggested responsibility in (xxx)



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Sales Task Group Recommendations

9. Re-look at an expedited standards process (ANS SB)
10. Revise PINS forms to identify specific prospective buyers (ANS SB).
11. Instruct WGs to provide an updated list of potential buyers when the standard is published (ANS SB)
12. Put together a plan to increase ANS standards internet search hits as well as establish links from key sites such as Wikipedia (ANS HQ)
13. Contact IHS to get IHS purchasers for ANS standards (Pat Schroeder/Done)
14. ANS to keep track of International standard sales (Pat Schroeder)



PRSC (Power Reactor SC)	NRFSC (NonReactor Facility SC)	RRSC (Research Reactor SC)	Analysis & Computations SC)	CSSC (Criticality Safety SC)	SCSC (Site Characterization SC)	WMSC (Waste Management SC)	R&RSC (Restoration & Remediation SC)	RASC (Risk Application SC)
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ANS 21- Reactor Design Criteria	ANS 30- Fuel Fabrication Facility Design Criteria	ANS 1- Conduct of Critical Experiments	ANS 10- Power Reactor Physics and Computation	ANS 8- Fissionable Material Outside Reactors	ANS 2- Nuclear Facility Site Charaterization			2.16-(NEW) Criteria for Modeling Design-Basis Accidental Releases From Nuclear Facilities
ANS 22- System Design Criteria	ANS 30.1- FFF System Design Criteria	ANS 14- Fast Pulse Reactors	ANS 6- Radiation Protectio and Shielding					2.29-2008 Probabilistic Seismic Hazard Analysis
ANS 23 Reactor Operations	ANS 31 Chemical Processing Facility Design Criteria	ANS 15- Research Reactor Operations						3.8.10-(NEW) Criteria for Modeling Real-Time Accidental Release Consequences at Nuclear Facilities
ANS 24- Training and Qualification	ANS 31.1- CPF System Design Criteria	ANS 19- Research Reactor Physics and Computation						

ANS 25- Reactor Decommissioning
ANS 26- Advanced Initiatives

Stds from NFSC 23	3		10		9		11	3
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XXX - New Subcommittees
XXX- Existing Working Groups