

**AMERICAN SOCIETY OF MECHANICAL ENGINEERS/AMERICAN NUCLEAR SOCIETY
Committee on Nuclear Risk Management (CNRM)/
Risk-Informed Standards Consensus (RISC)
Joint Committees Meeting Minutes
April 14, 2005, 8:00 am to 11:56 am, New Orleans, LA**

Attendees

Bob Bari, *Brookhaven National Laboratory (RISC Chair)*
Rick Grantom, *South Texas Project N O C (Chair CNRM)*
Gilbert Zigler, *Alion Science & Technology, (Vice Chair CNRM)*
Barbara Baron, *Westinghouse – RISC Guest*
Sidney Bernsen, *Consultant – CNRM Member*
Biff Bradley, *NEI – CNRM/RISC Member*
Duncan Brewer, *Duke Power Company – CNRM Member*
Allen Camp, *Sandia National Laboratories – CNRM/RISC Member*
Ken Canavan, *EPRI (alternate for John Gaertner, EPRI) – RISC Member*
Mary Drouin, *U.S. NRC – CNRM/RISC Member*
Dave Finnicum, *Westinghouse – RISC Member*
Karl Fleming, *Consultant – CNRM Member*
Dennis W. Henneke, *Duke Power Company – RISC Member*
Rick Hill, *GE Nuclear Energy – CNRM/RISC Member*
Shigeo Kojima, *CSD, Japan – CNRM Member*
Greg Krueger, *Exelon – RISC Guest (representing Gene Hughes, RISC Member)*
Stanley Levinson, *AREVA/Framatome-ANP – CNRM/RISC Member*
Oliver Martinez, *ASME/CNRM Staff Liaison*
Dan McLaughlin, *Westinghouse – CNRM Guest*
Ravi Ravindra, *ABS Consulting – RISC Member*
Ray Schneider, *Westinghouse – CNRM Member*
Patricia Schroeder, *ANS/RISC Staff Liaison*
Fred Simonen, *Pacific Northwest National Laboratory – CNRM Member*
Barry Sloane, *Dominion Generation – CNRM Member*
Bill Stillwell, *South Texas Project N O C (LPSD Working Group Member) – RISC Guest*
Ian Wall, *Consultant – CNRM Member*

1. Roll Call and Approval of Agenda

The agenda was approved with the deletion of agenda Item # 3, Highlights and Progress of RISC Committee Activities, and #5, Nuclear Risk Management Coordinating Committee activities. Both items were addressed at yesterday's RISC Meeting with the CNRM in attendance.

2. Objectives and Expectations of Joint Meeting

Grantom suggested that this meeting be used to listen, understand, and put ideas on the table.

3. Plans for Next CNRM/RISC Meeting

Originally scheduled as agenda item #9, it was decided to consider options for the next meeting first in case some members would have to leave the meeting early. A mutual feeling was expressed that a joint meeting is beneficial and an attempt should be made to meet jointly in conjunction with the September 2005 PSA Meeting in San Francisco. Grantom suggested

holding teleconferences ahead of the meeting to handle technical issues to reduce the amount of time need. Several options were discussed and the group decided to go ahead with plans to meet again during the PSA Meeting. Wall suggested to consider the following meeting as well. Grantom thought it best for him to discuss with the CNRM Executive Committee and provide options via e-mail.

4. Highlights and Progress CNRM Committee Activities – Rick Grantom

Grantom reported that stakeholder input is needed to resolve direction. Then a problem and need statement should be drafted.

Although not a CNRM committee activity, Zigler reiterated what was said in yesterday's RISC meeting. It was reported that none of the three proposed ANS standards would meet Category 1. Grantom suggested that it is not something we can solve. Drouin feels Category 1 does not blow off IPEs. Fleming said we have to support the experts that prepared the standards. Drouin suggested that everyone read the standards and have focus meetings to discuss.

Action Item 4/05-01: Grantom asked the committee to review all standards and have focus meeting to discuss whether these standards address Category 1.

5. Introduction to Major Issues for Integrated Standards – Karl Fleming/Ken Canavan

A. Subcommittee Structure Report – Karl Fleming

The integrated team has tried to put together a road map of what the standard should look like and then create a path forward. Fleming reported that the first four or five teleconferences were to aggregate the issues. Grantom broke up the group in two – structural issues led by Fleming, and aggregation issues led by Canavan. The team still needs several critical pieces that include the completion of the ASME Standard Addendum B, ANS Fire PRA Standard draft in word, and a word file of the revision to the ANS Standard on External Events in works. Fleming took the committee through a series of issues that were considered in determining a path forward. Grantom recommended consideration of a phase in between Phase 1 and Phase 2 as outlined in Fleming's presentation. Bernsen suggested that members should identify what's missing. Henneke questioned if it was part of the charter to look for holes. Grantom added that holes will be found regardless. Stillwell thought we'd be remiss to ignore. Camp asked if there are any plans to add members to the group from 11.50. Although many of them are retired, Drouin feels some are still available. See Attachment A for more details of Fleming's presentation.

B. Subcommittee Aggregation – Ken Canavan

Canavan reported that a conservative basis may make it difficult to add or compare results. When you aggregate first, you stand the chance of losing pieces. Canavan feels aggregation is desirable from a variety of risk management perspectives, specifically, the ability to generated integrated insights from the range of quantitative risk contributors. The Level 1 aggregation includes External Events, Fire, Seismic, LPSD and all others. See Attachment B for more details of Canavan's presentation.

6. Path Forward for Level 1 Integration

Grantom recommended that all this information on the Level 1 intergretion be absorbed and

reported back to the NRMCC. Priorities need to be addressed. Industry needs must be factored in, and input is needed for near and short term activities. With considerable knowledge gained in the last 20 years, we may need to re-access 20 year-old studies. Grantom plans to schedule an ASME conference call with Jim Mallay. In the meantime, Grantom suggested Fleming put a hold on the Level 1 integration project until it could be verified to ensure that it is consistent with the NRMCC initiative. Bernsen felt that the team should proceed as the project was approved by the NRMCC, the question is whether ANS' Fire PRA and LSPD standard should be published. Bari explained that per Jim Mallay, ANS will issue both the Fire and LSPD standard. Bradley expressed his feelings that there is absolutely a need for the individual standards and doesn't see a need to rush with the integration project. Bernsen reiterated that the NRMCC has already agreed on the integrated standards and if the committees disagree, they need to go back to the NRMCC. Fleming expressed concern about losing momentum. Levinson felt there was no reason not to proceed as even if the standard is not published, knowledge is gained. Wall and Brewer feel that the Fire Standard is the most important to the utility community. Grantom asked for Bradley to get feedback from NEI.

Action Item: 4/05-02: Bradley to get NEI feedback and list of priorities for Grantom, Bari, and Brewer.

Action Item: 4/05-03: Grantom to put list together to define current activities within next month. Activities include NEI, EPRI, ANS, and ASME.

Action Item: 4/05-04: Fleming to scope out problems for the Level 1 integrated standard.

As announced at yesterday's meeting, several working group members have been identified for the Level 2 standard although they are still looking for a chair. Keith Woodward has agreed to accept the position as chair of the Level 3 standard, and several working group members have committed. Fleming said the Level 3 standard has a great possibility to be non-technical.

7. Future Needs for Joint CNRM/RISC Meetings

Mutually the committees agreed that joint meetings are beneficial. The general consensus was for joint meetings to be planned twice a year. Bari suggested that prior to each meeting, a list of expected accomplishment be developed.

8. Adjournment

The meeting was adjourned at 11:56 am.