

AMERICAN NUCLEAR SOCIETY
Risk-Informed Standards Consensus (RISC)
Committee Meeting Minutes
April 13, 2005, 1:00 am to 5:20 pm, New Orleans, LA

Members Present

Bob Bari, *Brookhaven National Laboratory (RISC Chair)*
Biff Bradley, *NEI*
Allen Camp, *Sandia National Laboratories*
Ken Canavan, *EPR* (alternate for John Gaertner, *EPR*)
Mary Drouin, *U.S. NRC*
Dave Finnicum, *Westinghouse*
Dennis W. Henneke, *Duke Power Company*
Rick Hill, *GE Nuclear Energy*
Stanley Levinson, *Aveva/Framatome-ANP*
Ravi Ravindra, *ABS Consulting*
Patricia Schroeder, *American Nuclear Society*

Members Absent

Paul Amico, *SAIC*
Richard Black, *U.S. DOE*
Robert Budnitz, *Lawrence Livermore National Laboratory*
Andrew Dykes, *ABS Consulting*
Wayne Holmes, *HSB Professional Loss Control*
Gene Hughes, *ERIN Engineering and Research Inc.*
Yehia Khalil, *Consultant*
Kenneth Kiper, *FPL Energy*
Jeffrey Mitman, *ABE*
Mark Rubin, *U.S. NRC*
Jean Savy, *Lawrence Livermore National Laboratory*

Guests

Barbara Baron, *Westinghouse*
Sidney Bersen, *Consultant*
Duncan Brewer, *Duke Power Company*
Karl Fleming, *Consultant*
Rick Grantom, *South Texas Project N O C (Chair CNRM)*
Greg Krueger, *Exelon*
Oliver Martinez, *ASME/CNRM Staff Liaison*
Dan McLaughlin, *Westinghouse*
Ray Schneider, *Westinghouse*
Fred Simonen, *Pacific Northwest National Laboratory*
Barry Sloane, *Dominion Generation*
Bill Stillwell, *South Texas Project (LPSD Working Group Member)*
Ian Wall, *Consultant*
Gilbert Zigler, *Alion Science & Technology, (Vice Chair CNRM)*

1. Introductions and Approval of Agenda

Brief introductions were made and the agenda was approved.

2. Review of Meeting Minutes, November 17, 2004

The minutes from the November 17, 2004, meeting in Washington, D.C. were approved as presented.

3. Review of RISC membership

It was noted since the November meeting, the following members had resigned:

Kendall Byrd, FirstEnergy Corp.
Steve Rosen, Individual
Selim Sancakar, U.S. NRC

New members include:

Ken Canavan, EPRI (alternate for John Gaertner, EPRI)

Action Item 4/05-01: RISC members to consider appointing alternate for themselves.

The 2005 Balance of Interest using the new definitions was reviewed. The committee suggested that Jeffrey Mitman be moved from "Individual" to "Service Provider" and to correct Yehia Khalil to "Consultant." Additionally, it was recognized that members from the same company share one vote. With this correction, Robert Budnitz and Jean Savy of LLNL share one vote as should Ravi Ravindra and Andrew Dykes of ABS Consulting. Mary Drouin and Mark Rubin with NRC have been sharing one vote all along. With these changes, the balance of interest was approved with 21 members and a total of 18 votes. It was noted that the committee should seek utility members for better balance.

Action Item 4/05-02: RISC members to make recommendations of potential utility members for RISC membership to Bob Bari.

Drouin recommended Stillwell to be added to the RISC membership.

A quorum was met with 10 votes for this meeting.

4. Status of Standards Writing Group Activities

A. External Hazards – Ravi Ravindra

A first cut for the revision to ANS-58.21-2003, "External Events in PRA Methodology," was sent to the committee on April 5, 2005, for review and discussion at this meeting. The proposed revision incorporates the NRC comments in draft R.G. 1.200 Appendix C, NEI comments, and recommendations from Hope Creek Seismic PRA Review. Drouin commented that during a spot check of the draft she didn't find changes to Addendum B.

Action Item 4/05-03: Ravindra to check most current ASME draft to compare with Addendum B.

Camp questioned whether Appendix D was modified in the revision. Ravindra explained that Appendix D is untouched. The issue of experts required for peer review was discussed. Hill explained that the ASME standard requires use of PRA experts, while the ANS standard requires use of ASME standard. Therefore, experts must be used for peer review. Several members expressed concern regarding accuracy of the Hope Creek Seismic PRA Peer Review if these suggestions are to be incorporated in the revision. Drouin suggested for the committee to hold a conference call in a week to review the criteria used in the peer review. Hill was asked to provide the check sheets used in the Hope Creek Seismic PRA Peer Review to the committee.

Action Item 4/05-04: Hill to provide Hope Creek Seismic PRA Review check sheets to committee.

Action Item 4/05-05: Schroeder to poll committee on availability for conference call.

The working group is making an effort to complete this revision for publication by the end of the year. See Attachment A for more details of the External Events presentation.

B. Fire PRA – Dennis Henneke

Henneke explained that he had hoped to provide the committee a draft of the Fire PRA standard prior to this meeting but the working group was not able to meet this deadline. He will try to send a draft to the committee within two to three weeks. Henneke explained that the working group consists of nine writing members and ten review members. At this point the draft has not gone outside of the working group. Bari suggests that RISC take a look at it before it is released to the integration team. Hill, one of the review members, expressed his thought that the standard is struggling with the three-column format, but he didn't see any significant problems. Drouin expressed concern that ANS standards are written in a seamless, consistent format.

Henneke said the draft does not meet category 1 and may have to be updated when EPRI/NRC Fire PRA is completed. See the Fire PRA presentation, Attachment B, for more information.

C. Low Power/Shutdown (Bill Stillwell for Ken Kiper)

Stillwell provided an overview of the history of the drafts sent out for review. Current draft 6b was sent to RISC on March 29, 2005, and addresses comments made at the November 2004 RISC meeting. Camp expressed concern that many unaccepted comments were not provided an explanation other than "not accepted." This feeling was mutual within RISC. Stillwell agreed to make sure the working group provides explanations for all future comments. Schroeder explained ANS procedures of official balloting concurrent with public review.

Several RISC members asked Stillwell what if anything was done to incorporate Gaertner's suggestions from the November 2004 meeting. Many on the committee agreed with Gaertner's suggestions. Bari asked that the LPSD working group arrange for a teleconference call with Gaertner and associates to discuss.

Action Item 4/05-06: LPSD working group to arrange teleconference call with Gaertner & associates to discuss suggestions for the LPSD standard.

A few members questioned whether the standard received unanimous approval at the RISC April 2004 meeting to move forward. A short discussion followed. Bari recalled that after each member addressed the committee, a motion passed unanimously to continue.

Action Item 4/05-07: Schroeder to redistribute April 2004 RISC Minutes to RISC to review individual comments and motion.

More details of the LPSD presentation can be found in Attachment C.

5. Nuclear Risk Management Coordinating Committee – Bob Bari

Bari reported that the last NRMCC meeting was March 11, 2005. Both Grantom and Bari gave a report to the NRMCC Committee on their respective committee activities. William Burchill spoke about the intergration effort. Jim Mallay and Ray Weidler were reappointed as co-chairs for NRMCC. Drouin made a presentation. The next NRMCC Meeting is planned for June 2, 2005.

Action Item 4/05-08: Schroeder to send 3/11/05 NRMCC Minutes to RISC.

6. Coordination with ASME on Level 1 Requirements – Bob Bari

The on-going integration team has been formed. Grantom is the lead. ANS is working on the Level 2 & 3 standards. Drouin objected to the decision made to solve the problem of the ASME/ANS PRA standards. She feels that a decision should not have been made without a clear definition of the problem and how extensive it is. Drouin also expressed feelings that the split of the Level 1, Level, 2 and Level 3 standards were not approved properly by the NRMCC. Additionally, Drouin said there's merit in a PRA standard that contains Level 1 – Level 3 events. Bari explained that the decision to separate each Level event took about a year with complete involvement from several SDOs. An NRMCC charter for the division and assignment of the Level 1 through Level 3 standards was approved and distributed. Recommendations made by the NRMCC must be accepted by all societies. Camp suggested that down the road recommendations be balloted by both societies. Zigler explained that development of the separate Level standards does not withdraw the original standards. It is up to the user to decide which to use. Grantom stressed the importance of looking at all issues out there to determine what needs to be done. See attachment D for more details of Bari's presentation.

7. Status of Levels 2 & 3 Standards – Bob Bari

Bari announced that several prominent practitioners agreed to be on the Level 2 standard and other potential candidates have been identified. A chair is still needed for this standard. Bari asked for RISC to provide suggestions for someone to take the lead on the Level 2 standard.

Action Item 4/05-09: RISC to send suggestions for chair of Level 2 integrated standard to Bari.

Keith Woodard has accepted the position of chair for the Level 3 integrated standard. Potential additional working group members include Jocelyn Mitchell (NRC), Duncan Brewer (Duke), Doug Paul, (Duke) Vinod Mubayi, (BNL), Nathan Bixler (SNL), David Johnson (ABS Consulting), and Kevin O’Kula (WSMS). The first Level 3 meeting is planned for Monday, June 6, 2005, at the ANS San Diego Meeting.

Bari also provided three options for dealing with LERF in the integrated Level 1 and Level 2 Standards show pros and cons of each option. See attachment D for more details.

8. Other Business – Bob Bari

Bari reported to the committee that he asked Paul Amico to head an ad hoc committee to appoint a vice chair for RISC. The vice chair would eventually take over as chair. Amico will be contacting a few other members to assist him on this ad hoc committee.

The committee felt that it would make sense to meet jointly again with the CNRM at the PSA Meeting in San Francisco. The concern arose that combining the PSA Meeting with CRNM and RISC meetings would lengthen the trip to over a week. Bari asked that the committees consider this option overnight and discuss at tomorrow’s joint CNRM/RISC Meeting.

Action Item 4/05-010: CNRM/RISC consider ability of combining a joint CNRM/RISC Meeting with the PSA Meeting in San Francisco in September 2005.
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9. Adjournment

There being no other business for discussion, the meeting was adjourned at 5:20 pm.

Respectfully submitted,

Bob Bari, Chair
RISC