



ANSI-NIST
Nuclear Energy Standards
Coordination Collaborative

Meeting Report
Monday, March 12, 2012

NIST Headquarters
100 Bureau Drive, Stop 1070
Building 101 Lecture Room A
Gaithersburg, MD 20899-1

Agenda Item 1 Opening Remarks and Introductions

Dr. Ambler Thompson, NIST, opened the meeting by thanking all attendees, both those attending in-person and those participating via webinar. All attendees were asked to introduce themselves and state the organization they represented. A complete list of attendees is available as attachment 1 of this report.

Ms. Fran Schrotter, ANSI Chief Operating Officer and Senior Vice President, offered a report on the status of the incorporation by reference. Ms. Schrotter's full comments are available in NESCC 12-033

**Agenda Item 2 The Effect of the Recent Earthquake and Tsunami on
Japanese Power Plants – NESCC 12-034**

Mr. John D. Stevenson offered the report contained in NESCC 12-034.

Following the presentation, discussion of how regulatory bodies can avoid such a disaster in the future occurred. Mr. Stevenson suggested that regulatory bodies need to relax their regulations and allow a certain amount of elastic behavior. As regulatory bodies require a technical reason for relaxing regulations, it was suggested that SDOs could provide this information. It was noted that ASME is currently working on a standard with five different services loads.

Agenda Item 3 B&W mPower Reactor Design Overview – NESCC 12-036

Mr. Matt Ales, B&W, offered the presentation contained in NESCC 12-036.

Following the presentation, it was asked if mPower is pursuing sales in an international market. It was noted that the Middle East is currently a major market for their product.

Mr. Ales informed attendees that mPower hasn't yet solicited the assistance of SDOs to find solutions for any design problems they may have. It was suggested that mPower continue to engage the NESCC and keep the group apprised of any new developments in their work. The SDO community in the NESCC may be able to offer some assistance in their design needs.

Questions were also raised about the safety of the control rooms. Mr. Ales informed attendees that each unit will have its own safety operator and set of safety related equipment.

Agenda Item 4 ASCE Nuclear Related Standards Update – NESCC 12-031

Mr. Michael Salmon, ASCE, offered the presentation contained in NESCC 12-031.

Mr. Salmon informed attendees that ASCE has formed a committee to investigate the relationship between seismic activity and site hazards. In the shallowly bedded facilities near the Los Alamos Lab, there has been some amplification at the base of the structure when compared with the fuel rods. One structure at Los Alamos had been planned to be embedded at 50ft, but amplification data indicated that this needed to be modified. The ASCE believes that once the SSI analysis has been completed, the depth at which the small modular reactors are to be buried at will be evident and added to the standards.

Agenda Item 5 NESCC Task Group Working Methods and Proposed Task Group Report Review Criteria – NESCC 12-035

Agenda Item 6 NESCC Update (NESCC 11-040)

Dr. Ambler Thompson, NIST, offered the presentation contained in NESCC 11-040.

It was agreed that all Task Group Conveners would send all agendas, meeting reports and any other pertinent documents to the NESCC Secretary for posting in each Task Groups folder in the document library. This will allow any interested party to see exactly what occurs in each Task Group.

Discussion ensued on the best way to solicit comments on Task Group reports, as the HDPE Piping Task Group would be finalizing its report in the coming weeks. Attendees expressed concern about how the comments would be disposed of when received. It was agreed that all comments received would be disposed of by the relevant Task Group and circulated as NESCC documents. The comments will help shape the final draft document, which contains recommendations that can be formed into a project plan. It was noted that any kind of project plan would require funding for implementation. As the Convener of

the HDPE Piping Task Group, Mr. Aaron Forster was charged with trying to create a project plan based on the final report of that Task Group.

It was also suggested that input be sought from those who have used the report of the Concrete Task Group, such as ACI. Any input can be compiled into a paper that can be distributed as an aid to those who wish to use the output documents that the NESCC creates.

Agenda Item 7 Task Group Proposals and Reports
Report of the HDPE Piping Task Group – NESCC 12-037

Dr. Aaron Forster, NIST, offered the report contained in NESCC 12-037.

Following the presentation, discussion ensued on how best to solicit input on this report. It was agreed that Dr. Forster and Dr. Thompson would solicit the input of experts whose opinions would be most helpful. It was further agreed that the NESCC Secretary would have the post a notice in the weekly publication "ANSI Standards Action" to solicit public comments. Following the comment period, Dr. Forster would take all comments received into consideration, provide a disposition of those comments, and update the text. The updated text will be presented at the July 17, 2012 NESCC Meeting.

Report from the Electrical Cables Task Group (NESCC 12-025)

Dr. Stephanie Watson, NIST, offered the report contained in NESCC 12-025.

Dr. Watson explained that the Task Group based their initial research on the Mattson Report to see what kind of standards were already in existence. The group then evaluated the NRC Regulatory Guides to evaluate what standards are referenced. For plant relicensing, NRC guides reference old standards. Currently, no regulatory guides really address cable standards for new construction. The Task Group will continue its evaluation and provide an updated report at the July 17, 2012 NESCC meeting.

Report from the Concrete Repair Task Group – NESCC 12-034

Dr. Clarissa Ferraris, NIST, offered the presentation contained in NESCC 12-034.

The NRC reminded the Task Group to include technological reasons when suggesting that a regulatory guide or standard be updated, because the NRC cannot get support to do work if the reason for updating is simply age.

It was also noted that ACI is working on a standard as a result of a recommendation of the Concrete Task Group Report, published earlier in the year.

Report from the Standards Database Task Group – NESCC 12-023

Mr. Kurt Cozens, NRC, offered the report contained in NESCC 12-023.

Following the presentation, the issue of funding was discussed. Dr. Thompson informed attendees that NIST would be providing funding to keep the project on track.

Concern was expressed about the possibly over-ambitious time frame for the completion of the database. Attendees were assured that a contract was being put in place to hire an IT professional to complete the work, but there are quite a few standards that need to be included. The Task Group hopes to have the work completed by the Fall of 2012.

Report from the National Standards Priority List Task Group – NESCC 123-026

Ms. Prasad Kadambi, ANS, offered the presentation contained in NESCC 12-026 on behalf of Mr. JK August. No questions were asked following the presentation.

Agenda Item 8 Other Business

Mr. Satish Aggarwal, Chairman IEEE Nuclear Power Engineering Committee, offered the two presentations on lessons learned from the Fukushima Daiichi Power Plant contained in NESCC 12-038 and NESCC 12-039.

Mr. Aggarwal stressed that the issues at Fukushima were related to flooding issues. It's possible that no standard could be helpful when dealing with water damage, which is what damaged the equipment. It doesn't seem that any equipment was damaged due to seismic activity. He cautioned against changing standards for seismic when that doesn't seem to have been a problem.

The next meeting of the NESCC will take place at the ANSI office at 1899 L Street, Washington, DC.

Agenda Item 9 Adjourn

The meeting was adjourned at 4:45 pm.

Attendees to the March 12, 2012 NESCC Meeting

Name	Organization	In-Person/Webinar
Satish Aggarwal	IEEE Nuclear Power Engineering	In-Person
Matt Ales	B&W	In-Person
Jim August	CORE Inc	Webinar
Kenneth Barry	EPRI	In-Person
Tom Boyce	U.S. Nuclear Regulatory Commission	In-Person
Steve Byrne	ASTM International	In-Person
Michael Case	U.S. Nuclear Regulatory Commission	In-Person
Kurt Cozens	U.S. Nuclear Regulatory Commission	In-Person
David Darwin	University of Kansas	In-Person
Linda Dolan	GE Hitachi Nuclear Energy	In-Person
Clarissa Ferraris	NIST	In-Person
Robert Fleming	RSCC	In-Person
Aaron Forster	NIST	In-Person
Edward Garboczi	NIST	In-Person
John Gayler	American Welding Society	Webinar
Thomas Herrity	U.S. Nuclear Regulatory Commission	Webinar
TJ Kim	B&W	In-Person
Joe Koury	ASTM International	In-Person
Ernest Lever	Gas Technology Institute	In-Person
Richard Livingston	University of Maryland	In-Person
Nancy McNabb	NIST	In-Person
Tom Miller	U.S. Dept. of Energy	In-Person
Javeed Munshi	Bechtel Power Corp	In-Person
Craig Myler	Bechtel National Inc.	In-Person
Cheryl O'Brien	Idaho National Lab	Webinar
Larry Olson	Olson Engineering, Inc	In-Person
Lynne Preston	U.S. Dept. of Energy	Webinar
James Riley	NEI	In-Person
Michael Salmon	Los Alamos National Lab	Webinar
Pat Schroeder	ANS	Webinar
Fran Schrotter	ANSI	In-Person
Sally Seitz	ANSI	In-Person
Lipiin Sing	NIST	In-Person
Madhumita Sircar	U.S. Nuclear Regulatory Commission	In-Person
John Stevenson		In-Person
Alan Thompson	NIST	In-Person

