



ANSI-NIST
Nuclear Energy Standards
Coordination Collaborative

Meeting Report

Tuesday, November 29, 2011

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.

Agenda Item 2 NRC Standards Activities Update (NESCC 11-050)

Mr. Michael Case, NRC, offered the presentation contained in NESCC 11-050.

In his presentation, Mr. Case included a slide that he had presented at the first meeting of the NESCC in 2009. This slide outlined how the NESCC could help the NRC, and the nuclear industry as a whole. He highlighted the work on the Concrete and Polymeric Piping Task Groups as an examples of the how the NESCC has accomplished those six bullet points:

- Both task groups have strengthened collaboration and coordination among government agencies and SDOs;
- Both task groups provided mutual accountability;
- The Polymeric Piping TG has lessened reliance on other endorsement vehicles by assisting the NRC in their endorsement process;
- Both task groups have identified gaps in the current standards library for concrete construction in new plants and polymeric piping;
- Both task groups provide a vehicle to serve emerging issues; and
- Both task groups provide focus

Mr. Case commended the work of the NESCC and expressed his belief that the NESCC would continue to be a serve an important function in the nuclear standards arena.

After his presentation, Mr. Case opened the floor for questions. Mr. Prasad Kadambi, ANS, inquired as to why standards don't play a role in reactor oversight. Mr. Case explained that the NRC offers recommendations on reactor oversight, but this isn't an issue for standards. Since Fukushima, the NRC has focused on offering recommendations for small risk items that have high consequences, like flooding.

Mr. William Hinton, NextEra Energy, noted that lack of utility presence in the NESCC. It was agreed that utility and industry participation in both the NESCC and SDOs are very important. Harmonization should be driven by industry, not government.

Agenda Item 3 ASTM Nuclear Related Standards Update (NESCC 11-054)

Mr. Steve Byrne, ASTM, offered the presentation contained in document NESCC 11-054.

Mr. Byrne began his presentation by commending NIST, the Department of Energy and ANSI for initiating the NESCC.

Following his presentation, Mr. Byrne opened the floor for questions. Mr. Case, NRC, inquired as to the status of the roadmap described in the presentation. Upon hearing that the roadmap is in its final draft format, Mr. Case suggested that ASTM send the NRC the roadmap for comments via a formal letter.

Mr. Tom Boyce, NRC, noted that the ASTM survey identified technology gaps, and wondered if the survey had included any questions that enabled reviewers to judge the significance of the identified gaps? Mr. Byrne informed the group that ASTM is currently working to identify its appropriate committees to answer such questions.

Mr. Tom Miller, DoE, informed attendees that the DoE is researching advanced concepts that go beyond light water reactor material needs. He inquired as to the best way to communicate any findings to ASTM. Dr. Thompson reminded attendees that the National Standards Priorities Task Group is one such avenue. All SDOs were reminded that they have been asked to provide a list of all of their nuclear standards to this Task Group for review. The Priority List will be updated annually and distributed to NESCC membership, NEI and the NRC. A report on the progress of this list will be provided at the March 2012 NESCC Meeting.

Mr. Joe Koury, ASTM, informed attendees that ASTM is developing a nuclear portal for its website. This portal should be live in a month's time. He also invited the NESCC to meet in conjunction with either the April, May or June 2012 ASTM meetings.

Agenda Item 4 NFPA Nuclear Related Standards Update (NESCC 11-052)

Mr. Paul May, NFPA, offered the presentation contained in NESCC 11-052.

Following the presentation, Mr. May opened the floor for questions. Mr. Case inquired as to the status of potential harmonization efforts between the NFPA and ISO TC 85 and Cordel. Mr. May informed attendees that no official actions have been taken to date, but that perhaps the harmonization would occur in 2012.

Mr. Hinton, NextEra Energy, inquired about the relationship between any NFPA documents and Annex R. It was noted that NFPA 802 is a prescriptive Annex R and NFPA 805 is a performance based Annex R.

Agenda Item 5 ASME Standards Update (NESCC 11-050)

Mr. Kevin Ennis, ASME, offered the presentation contained in NESCC 11-050.

Following his presentation, Mr. Ennis opened the floor for questions. Mr. Case, NRC, inquired about the status of the Severe Accident Mitigation and Response report on Fukushima. Mr. Ennis informed the group that the Japanese are preparing a response guide for actions that must be taken in a severe accident, for example how fire trucks are used, how to evaluate plants to ensure the necessary equipment is available, etc. It is intended to be more of a guidance document than a code document and will contain information that is very plan specific. The NEI will be invited to review the document once it has been completed, but cultural differences may prevent the document from being used in the US.

Mr. J.K. August, CORE Inc., initiated a discussion on how to reconcile NEI guidance documents and SDO publications. While NEI documents contain only guidance material, they are created quickly. Their publication often prevents SDOs from publishing standards on that same topic, despite the fact they are needed. Dr. Thompson suggested that perhaps the NEI documents should include a sunset clause that would render the document ineffective and force SDOs to create standards.

Agenda Item 6 ACI Nuclear Related Standards Update (NESCC 11-053)

Mr. Mike Schneider, ACI, offered the presentation contained in NESCC 11-053.

Following his presentation, Mr. Douglas Sordyl, ACI, informed the group that one of the benefits that ACI has is its wide ranging membership. SDOs join ACI because their resources are limited for standards development. ACI allows them to have a voice in standards being developed.

Mr. Sordyl also informed the group that ACI does not intend to update its certification program as there is no guarantee that this program will be used.

ACI has met with the Standards Council of Canada's (SCC) team who is developing nuclear standards; and reported that the SCC is able to quickly draft standards in response to the needs of the nuclear industry because of strong industry support, both financially and with manpower. This might be something for the United States to consider.

Mr. August reported that the National Standards Priority TG will send its priority list to ACI for their input. ACI may not have the resources to devote to all the projects identified, but ACI's input is extremely valuable to the process.

ACI will work with Mr. Case, NRC, to find a contact in the NRC to discuss certification. ACI will also reach out to Mr. Jim Riley, NEI, to discuss future work in concrete.

Agenda Item 7 Task Group Proposals and Reports
Standards Database Report (NESCC 11-046)

Mr. Tom Boyce, NRC, provided the report contained in NESCC 11-046.

Following the report, Dr. Thompson provided a demonstration of the database, which is still under development. The database was developed with three classes of users in mind: SDOs, the NRC and industry.

It is intended that a beta of the database will be functional by the March 2012 meeting so that NESCC members can provide input. Before that can happen, all NESCC SDOs must provide complete lists of their nuclear standards for uploading. This database will be available on the standards.gov website.

The database will be updated quarterly with any documents that have been updated. This work will likely be done by NRC and NIST staff, unless a way around the NIST firewall can be found.

The major purpose of the database is to be a way for SDOs to advise the NRC and NIST when their standards are updated. The database will also allow for the contents of NRC guides to be known.

Report from the Concrete Repair Task Group (NESCC 11-045)

Dr. Clarissa Ferraris, NIST, offered the presentation contained in NESCC 11-045. Dr. Ferraris will focus on increasing utility presence in the next few months.

Report from the Cabling Task Group (NESCC 11-044)

Dr. Stephanie Watson, NIST, offered the presentation contained in NESCC 11-044.

Mr. Boyce, NRC, informed attendees that the NRC has issued documents relating to the identification of a cabling issue. He suggested that a standard for an audio test of degradation be developed.

Mr. Case, NRC, encouraged Dr. Watson to investigate the “Life Beyond 60” work being done by the NRC as it closely relates to the work being done in this Task Group.

Report from the HDPE Piping Task Group (NESCC 11-47)

Dr. Aaron Forster, NIST, offered the presentation as contained in NESCC 11-047. It is anticipated that the Task Group will have a draft of their report ready for circulation to the NESCC for commenting prior to the March 2012 NESCC meeting.

Report from the National Standards Database Priority Task Group

Ms. Jim August, Core Inc, presented this report. The group is still trying to come up with a list of standards for all NESCC SDOs. All SDOs who have not yet done so are encourage to submit their lists to Mr. August immediately.

Proposal for a Task Group on Welding Technology and Materials (NESCC 11-049)

Mr. Ed Herderick, EWI, offered the proposal contained in NESCC 11-049. The task group had a very preliminary meeting in early November where much industry interest was expressed. The proposal was accepted and the task group formed with Mr. Tom Severt as convenor.

ACTION: The NESCC Secretary will issue a call for members to the Task Group of Welding Technology and Materials with Mr. Tom Severt as its convener. This Task Group is instructed to revise its scope and present the revised scope to the March 2012 NESCC meeting.

Agenda Item 8 Other Business

The next meeting of the NESCC will take place on March 12, 2012 at the NIST facilities in Gaithersburg, MD. The NESCC also tentatively accepted the invitation of ASTM to hold its meeting during the week of June 25, 2012 in San Diego, CA. The NESCC Secretary will send out an inquiry to NESCC members about the feasibility of this date.

Agenda Item 9 Adjourn

The meeting was adjourned at 4:00 pm.

Attendees to the November 29, 2011 NESCC Meeting

Last Name	First Name	COMPANY
In-Person Attendance		
Beville	Timothy	USDOE
Boyce	Tom	U.S. Nuclear Regulatory Commission
Byrne	Stephen	ASTM International
Carpenter	Rob	US Nuclear Regulatory Commission
Case	Michael	US Nuclear Regulatory Commission
Chalk	Daniel	Department of Energy
Ennis	Kevin	American Society of Mechanical Engineers
Ferraris	Chiara	NIST
Forster	Aaron	NIST
Herderick	Ed	EWI
Housewright	Meghan	National Fire Protection Association
Hsuan	Yick	National Science Foundation
Kadambi	N. Prasad	American Nuclear Society
Kaufman	Daniel	American Institute of Steel Construction
Koury	Joe	ASTM International
Larosche	Carl	Wiss, Janney, Elstner
Lever	Ernest	Gas Technology Institute
Livingston	Richard	University of Maryland
McNabb	Nancy	NIST Engineering Lab
Martin	Jon	NIST
Miller	Thomas	DOE
Moyer	Carol	US Nuclear Regulatory Commission
Ray	Sheila	USNRC
Riley	James	NEI
Salmon	Michael	Los Alamos National Laboratory
Sauer	Nathan	Structural Group
Schneider	Mike	Baker Concrete Construction
Seitz	Sally	American National Standards Institute
Silvester	R. Scott	SGH
Sordyl	Douglas	American Concrete Institute
Tokey	Jason	Department of Energy
Watson	Stephanie	NIST - US Department of Commerce
Way	Tammy	DOE
Ziehl	Paul	University of South Carolina

Participation by Teleconference

August	JK	CORE, Inc.
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Byrne	Steve	ASTM International
Grimes	Brian	Brian Grimes Inc
Hinton	William	NextEra Energy - Seabrook
May	Paul	NFPA
Preston	Lynne	US Department of Energy
Thompson	David	Manufacturers Standardization Society