



Agenda Item 1 Welcome and Introductions

Mr. Kevin Riley, Duke Energy, opened the meeting. All delegates present introduced themselves and a complete list of attendees is available as attachment 1 of this report. Mr. Riley reminded attendees that the focus of the NESCC is standards for both in-service and new nuclear power plants. NESCC members were encouraged to keep in mind that the end users of said standards are utilities and vendors.

Agenda Item 2 Review of Accomplishments and Action Items

Ms. Cassy Robinson, NIST, reviewed the action items from the July 22, 2013 NESCC meeting as contained in NESCC 13-093. Ms. Sally Seitz, ANSI, reported that the presentation on standards and the aerospace industry will take place on December 3, 2013 at the ANSI office in Washington, DC and via webinar. This presentation will offer both industry and standards developing organization (SDO) perspectives on how standards have impacted the aerospace industry.

Agenda Item 3 Revised Framework

Ms. Robinson reviewed the slides on the NESCC Framework document contained in NESCC 13-093. The NESCC Steering Committee addressed all comments received on the document and made changes as appropriate. The document has been finalized and will be published as such on the NESCC website.

Agenda Item 4 Construction Speed and Quality Improvement Task Group Update

Mr. Ken Barry, EPRI, offered the presentation contained in NESCC 13-092.

Following the presentation, Mr. Barry confirmed that the Task Group is working to create a priority list of projects that can be presented to EPRI for possible funding. The SDO community is encouraged to participate in the group to aid in the creation of the topic priority list and to initiate standards projects that address the topics on the priority list.

Mr. Tom Boyce, U.S. NRC, suggested that the small modular reactor vendors create a priority list of standards they wish to have endorsed and submit this list to the NRC who can then begin its work.

Comment [CWR1]: I think Tom was referring to the SMR vendors here.

The next meeting of the Task Group will be in December or January, and the group will make a final decision on the prioritization of the projects described. This list will be presented at the January 2014 EPRI funding meeting for final decisions.

Agenda Item 5 Welding Report Update

Ms. Robinson offered the presentation contained in NESCC 13-095 and explained that the report will be a topical report, meaning that the document contains only issues and recommendations, and not background research, detailed information or additional documentation. Ms. Robinson also reviewed the recommendations contained in the report.

Mr. Riley noted the importance of welding engineers in the nuclear industry, but that welding as a course of study is not widely offered. Mr. Brian Thomas, U.S. NRC, inquired about the cost impact due to weld quality during an outage and suggested that costing information would be a useful tool to demonstrate to both SDOs and regulators the importance of welding.

Mr. Rick Jervey, U.S. NRC, offered the NRC perspective on the report with the presentation contained in NESCC 13-103.

It was agreed that AWS, ASME and the Edison Welding Institute should be contacted in the same manner that ACI, ASTM, ASME, ICRI and NACE were contacted in regards to the Concrete Repair Report.

Agenda Item 6 Electrical Cables Report

Mr. Corey McDaniel, R-SCC, offered the presentation contained in NESCC 13-105.

NESCC members were reminded that the current draft of the Electrical Cable Task Group Report had been circulated for comments and that comments were due on November 20, 2013. The NESCC Secretary was requested to circulate a reminder to members.

Mr. Prasad Kadambi, ANS, enquired as to what standards have to do with the issues described in NESCC 13-105. The major issue seems to be wrong doing. Mr. McDaniel explained that the

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cables in the second instance described were tested in accordance with published standards and failed a test that they had previously passed. The test was deemed not robust enough, and this is where the standards issue comes into play. This hasn't been an issue in the U.S. because regulators do additional testing to ensure that cables are safe.

Mr. Jervey then reviewed the NRC response to the report as contained in NESCC 13-103. Following his report, Mr. Kadambi enquired as to the impact of the withdrawal of a regulatory guide on the licensing of a plant. Mr. Jervey explained that guides are usually withdrawn because another guide has been drafted with better information. The changes in guides are usually not extreme enough to affect the licensing of a plant.

Agenda Item 7 Standardized Process for Task Groups and Reports

Mr. Riley reviewed the Task Group Report Template which is still undergoing development by the Steering Committee. He described the difference between Final Task Group Reports and Topical Reports. Topical Reports will be produced when a Task Group has limited findings and recommendations. These documents will be less robust than Task Group reports, which will provide clear and concise recommendations and actions for NESCC stakeholders. He also described the template for Task Group Proposals and Task Group Charters. Once the document has been finalized by the Steering Committee, it will be sent out to NESCC membership for commenting.

It was noted that Task Groups who have published their reports will not have to go back and retrofit their reports to match the template.

Agenda Item 8 Concrete Repair Report and Follow-up

Ms. Robinson reviewed the report contained in NESCC 13-097. It was noted that the follow-up actions will serve as a test case for how the follow-up on the other reports will be handled.

Mr. Joe Koury, ASTM, reported that he had forwarded the recommendations in the report to the appropriate committees at ASTM for action. He will update the NESCC at the next meeting on the progress made.

Mr. Jervey described the NRC response to the report as contained in NESCC 13-103.

Agenda Item 9 Update on NRC Endorsement of Standards, Standards Priorities and the Database

Mr. Tom Boyce, U.S. NRC, presented the slides contained in NESCC 13-090.

Mr. Jervey described an additional process to initiate NRC review which is to petition for rule making. This option should be used when there is a serious safety issue identified for a rule that the NRC has made. He noted that this should not be used to initiate regulatory guide review.

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Mr. Koury enquired as to whether or not it was helpful for SDOs to submit redline versions of updated standards so that all changes are easily identified. Mr. Boyce agreed that it would be quite helpful and requested that for longer documents, SDOs should also submit an explanatory document that outlines the major changes.

It was also noted that licensees who wish to have documents reviewed can pay to have the NRC conduct a review. There are instances where the fee will be waived, and these instances are outlined in 10CFR170.11.

Mr. Boyce also displayed the NRC Regulatory Guide area of the nrc.gov website.

Agenda Item 10 Update on World Standards Week

Ms. Fran Schrotter, ANSI, offered an update on the recently launched ANSI Standards Incorporated by Reference (IBR) Portal which was announced at last year's World Standards Week meetings. ANSI developed the portal to assist smaller SDOs in making their incorporated by reference standards available to the public. The IBR Portal was launched on October 28, 2013 with documents from ISO, IEC, AHAM, AWS, IAPMO, IESNA and NEMA. The Portal also provides links to the websites of several organizations that have provided access their own IBR standards.

In an effort to protect SDOs, all documents on the Portal are read only and printing is restricted. The documents have been protected so that they cannot be saved, cannot be copied or have screen shots taken, and all are watermarked.

The Portal is available at ibr.ansi.org.

Agenda Item 11 Industry Needs Presentation

Mr. Riley offered the presentation contained in NESCC 13-106.

Following the presentation, Mr. Kadambi suggested that risk informed processes be discussed at a future NESCC meeting.

CSA Group updated NESCC members on how they plan to address the gaps identified as a result of the Fukushima incident. CSA Group has developed a priority list and a time frame for the work which will be distributed to NESCC members.

Mr. Tom Miller, U.S. DOE, enquired as to what the utilities are focused on as a result of Fukushima. Mr. Riley explained that the focus is currently on changing the station black out rule, flooding and seismic analysis. It was also noted that the battery life requirement may be changed to 72 hours. Currently, IEEE has a standard for this.

Agenda Item 12 Cumulative Effects Presentation

Mr. Jim Slider, NEI, offered the presentation contained in NESCC 13-106.

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Following the presentation, Mr. Thomas asked about what could be driving the difference between the NRC estimate of implementation costs and the actual implantation costs for the standards listed in the presentation. Mr. Slider suggested that plant security seems to be a very costly aspect that the NRC may not have fully considered. Mr. Slider offered NEI's assistance to the NRC in regards to how they estimate implementation cost.

Agenda Item 13 Update on NRC Self-Assessment

Mr. Larry Burkhart, U.S. NRC, offered the presentation contained in NESCC 13-106.

Agenda Item 14 Wrap Up

Ms. Robinson thanked attendees for coming and noted that action items were recorded and are included in Attachment 2 of this report.

Agenda Item 15 Next Meeting Date

The next NESCC meeting will take place on April 2, 2014 at the ANSI office in Washington, DC.

Attachment 1: Attendees to the November 7, 2013 NESCC Meeting

Participating In-Person:

| Name | Organization | SDO Affiliation |
|------------------------|--|------------------------|
| 1. Tammy Way | DOE/INL | ANS |
| 2. Tom Miller | DOE | None |
| 3. Jim Slider | NEI | ANS, ASME |
| 4. Tom Boyce | NRC | |
| 5. Brian Thomas | NRC | None |
| 6. Harriet Karagiannis | NRC | None |
| 7. Mary Cianchetti | CSA Group | N/A (Org is an SDO) |
| 8. Clarissa Ferraris | NIST | ACI, ASTM |
| 9. Prasad Kadambi | Kadambi Engineering Consultants | ANS |
| 10. Ken Barry | EPRI | None |
| 11. Adam Christopher | NACE | N/A (Org is an SDO) |
| 12. Greg Cade | NFPA | N/A (Org is an SDO) |
| 13. Corey McDaniel | Marmon Engineered Wire & Cable | |
| 14. Charlie Carter | AISC | N/A (Org is an SDO) |
| 15. Larry Burkhart | NRC | |
| 16. John Grimes | ASME | N/A (Org is an SDO) |
| 17. Rick Jervey | NRC | |
| 18. Robert Fleming | Marmon Innovation and Technology Group | |
| 19. Adolfo Matamoros | University of Kansas | |
| 20. Stephen Byrne | Consultant | ASTM |
| 21. Richard Livingston | University of Maryland | |
| 22. Nancy McNabb | NIST | |
| 23. Kevin Riley | Duke Energy | ANS |
| 24. Fran Schrotter | ANSI | N/A |
| 25. Cassy Robinson | NIST | ASTM |
| 26. Sally Seitz | ANSI | N/A |
| 27. Joe Koury | ASTM | N/A (Org is an SDO) |

Participating via Webinar:

| Name | Organization | SDO Affiliation |
|--------------------|-------------------------|--|
| 28. Brian Grimes | Brian Grimes Consulting | ANS, ISO U.S. Nuclear Technical Advisory Group |
| 29. David Thompson | MSS | N/A (Org is an SDO) |
| 30. Ryan Crane | ASME | SDO |
| 31. Jim August | Core Inc. | ANS |

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| 32. Kevin Ennis | ASME | SDO |
| 33. Michael Case | NRC | |
| 34. Gabriel Ogundele | NACE | SDO |

Attachment 2: Action Items

| Item # | Responsible Person(s) | Action |
|---------------|------------------------------|--|
| 1 | Cassy, Fran, Sally | Follow up on welding report as was done for concrete repair. |
| 2 | Cassy, Sally, Fran | Send concrete repair report letter to NACE. |
| 3 | Kevin | Finalize task group guidance; send to Steering Committee for review and comment; submit to NESCC membership. |
| 4 | Cassy | Complete template for SDOs to use in their publications to members announcing the NESCC standards database availability. |
| 5 | Cassy | Draft conformity assessment white paper and work with Prasad to finalize it; submit to Steering Committee. |
| 6 | Mary Cianchetti | Share CSA Group priorities for addressing Fukushima issues. |
| 7 | Cassy | Follow up with Jim Riley (NEI) on flex program. |
| 8 | Cassy | Follow up with Jim Slider (NEI) to request background details for slide showing actual vs. expected implementation cost data. |
| 9 | Kevin | Ask owner's groups what they are doing in response to Fukushima issues. |
| 10 | Cassy, Kevin | Cassy, Kevin: Look into standards for energy storage/ batteries. (Kevin should describe what we are looking for and why this is needed) |
| 11 | Prasad | Prasad: Explain better the recommended general methodology for assessing hazards and how to apply it to various hazards, such as flooding, seismic, etc. |