



**IEEE SUBCOMMITTEE ON QUALIFICATION
IEEE/NPEC/SC 2 Meeting 10-1**

**Rio All-Suite Hotels
3700 W. Flamingo Road
Las Vegas, NV
Phone: 702-252-7777**

April 20-21, 2010

DRAFT MEETING AGENDA

Tuesday, April 20, 2010: 8:00 am to 5:00 pm

A. BUSINESS

1. Call to order

J. Parello

The meeting was called to order at 8:00 am

2. Introductions, Approval of Agenda

J. Parello

2.1 Quorum Roll Call

Present – 37 out of 51 members in attendance (73%)

Quorum – yes

2.2 Identification of Attendees

SC-2 membership and guests attending the meeting introduced themselves.

2.3 Approval of Agenda and General Remarks

The SC-2 (10-1) meeting agenda was presented to the membership for approval (Handout). There were minor changes made to the presentation order due to time constraints of presenters. A motion was made by Nissen Burstein to approve the modified agenda. Jim Gleason seconded the motion. The motion carried.

The Chair welcomed the participants and provided opening remarks. The following IEEE position on conduct at meetings was reviewed (Handout provided):

- The IEEE's Patent Policy is consistent with the ANSI patent policy and is described in Clause 6 of the IEEE SA Standards Board Bylaws;
- Early disclosure of patents which may be essential for the use of standards under development is encouraged;
- Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the



Working Group (WG) nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that in fact may be essential for the use of standards under development.

- Opportunity was provided for SC-2 members and guest to identify or disclose patents that they believed may be essential for the use of that standard. No responses were identified.

3. Secretary's Report

J. White

3.1 Approval of Previous Meeting Minutes (SC-2/09-2)

The minutes of meeting SC-2 (09-2) were presented to the membership for approval (Handout). A motion was made by Jan Pirrong to approve the meeting minutes. Nissen Burstein seconded the motion. The motion carried.

3.2 Status of Action Items

Item No.	Description	Responsible	Status
A1-09-08	Begin reaffirmation process for IEEE 334	B. Newell	open
A1-09-02	P1682 - Issue preview by SC2 (10-01) meeting.	J. Pirrong	open
A3-09-02	Issue new baseline operating procedure for working groups. A draft for all working groups will be developed. A draft procedure will be provided prior to the SC-2 (10-01) meeting.	N. Burstein	open
A4-09-02	Review condition monitoring IEC documents and provided comments within the specified time period.	All	closed
A5-09-02	Finalize meeting details for the SC211-01 meeting to be held in Sweden. Meeting location and hotel information need to be finalized.	K. Spang	open
A6-09-02	Develop Par for revision of IEEE 650 standard for UPS.	D. Dellinger	open
A1-10-01	Contact Jodi Haasz for input on how corresponding member can / will be recognized within the standards.	J. Gleason	open

3.3 Status of SC 2 Membership

The SC2 membership stands at 51. Four (4) members were removed from the 2009 Subcommittee and 5 members were added for 2010.



3.4 Report of SC 2 Financial Status/Alligator Fund

01/01/09	Opening Balance	\$ 854.55
04/08/09	SC-2 (09-1) Collected at meeting	\$1,890.00
	SC-2 (09-1) Meeting Cost	\$1,037.88
	SC-2 (09-1) Closing Balance	\$1,706.67
12/1/09	SC-2 (09-2) Collected at meeting	\$1,540.00
	SC-2 (09-2) Meeting Cost	\$ 898.80
	Misc. Expense	\$ 150.07
	SC-2 (09-2) Closing Balance	\$2,197.80

Meeting Fees:

SC-2 (10-01)	\$ 40.00
SC-2 WG (10-01)	\$ 25.00

4. Chairman's Report

J. Parello

4.1 Summary of SC 2 ADCOM

The ADCOM meeting was held on 4/19. The meeting focused on future meeting locations, issues associated with the dual logo standards, SC2 operating procedures, corresponding SC2 members, the appropriate use and requirements for the use of the term Class 1E in standards titles, issues associated with the qualification of components for EMI and the need for WGs to issue a white paper in conjunction with revisions to SC2 guides and standards.

4.2 Summary of NPEC Meetings (N10-01)

The Chair identified that NPEC has provided a list of NPEC membership that should be included within each standard.

4.3 SC 2 Corresponding Membership Guideline

The Chair briefly discussed the guidelines being discussed for corresponding membership. Corresponding members will not have voting rights within the WG. The guidelines for corresponding membership will be submitted to NPEC.

A discussion occurred as to how a corresponding member would be recognized within the standard when the standard is issued. Jim Gleason took an action to contact Jodi Haasz to determine if IEEE has any guidance regarding this matter.

4.4 Baseline Operating Procedure for Working Groups

Nissen Burstein provided status on the operating procedures and that the procedure has been given to the WG the chairmen for review and comments. SC2 members were asked to provide comments back to N. Burstein by 5/15/10.



5. Vice-Chairman's Report

J. Gleason

5.1 Reception

The reception was sponsored by Kinectrics. A special thanks was given to Kinectrics members in attendance for their participation and support.

5.2 Meeting Schedule

10-2	October 4-6, 2010	Seattle, WA
	October 7 th IEC/IEEE joint meeting. Richard Woods to define location	
11-1	May/June 2011	Stockholm, Sweden
11-2	November 2011	TBD

The groups discussed the future meeting locations and if the group had any desire to meet in different locations and possible meetings aboard a cruise ships. The discussion revolved around what are the attributes associated with the meeting that is important to each member.

5.3 Status of International Meeting Locations

The details for the Stockholm meeting are still being finalized. S. Kjell has provided tentative locations and dates around May 5, 2010. See attachment "IEEE meeting spring 2011."

6. Previews

6.1 SC 2.15: IEEE P-1682 (FO Cable Qual)

J. Pirrong

Preview documents attached in file "2.15 NPEC Preview April 20 2010"

B. DISCUSSIONS AND UPDATES

1. Cabling for New Nuclear Plants

Robert Konnik, Marmon Specialty Wire & Cable Group

Presentation is attached in file "Cabling for New Nuclear Plants"

2. Status of IEEE 323 and IEC 60780 (Harmonization)

J. Gleason

IEEE has been working with IEC for over a year on this project. The WG is evaluating how digital controls, digital electronics and EMI/RFI need to be addressed within the standard. This will be an ongoing topic of discussion. The WG is also evaluating the need to include more information on age sensitivity will be added to the standard. Work on the harmonization of the standards is continuing. A dual logo standard will not be issued.



3. Status of IEEE 535 Battery Qualification *Matt McConnell, NRC*
Changes in new reactor designs, and associated battery duty cycles will require changes to IEEE 535. A revision to the standard is in process. The next meeting will be held in June 2010.
4. Industry Impact of the New U.S. Reactor Design Regulations and Standards *Serena Krause, Kinectrics*
See attachment "2010 April IEEE SC2 Vegas"
5. Mixed Oxide (MOX) Fuel Fabrication Project *J. Gleason*
6. W-AP1000 EQ Program Update *S. Channarasappa*
See attachment "AP1000 Status – EQ Technical Meeting – April 2010-1"
7. Designing Mechanical Seals for Qualified Instrumentation *Jeff Chivers, Rosemount Nuclear Instruments, Inc.*
See attachment "Mechanical Seal SC_2 Rev2"
8. EGS Generation 3 QDC Qualification Status *Darryl. Deist, Scientech Business Unit of Curtiss-Wright Flow Control*
See attachment "SC2 Presentation"
9. Nuclear Proximity Switches *Greg Merrifield, TopWorx Emerson Process Management*
See attachment "NPEC SC2 Las Vegas REV1"
10. US EPR EQ Program, Update *N. Burstein*
See attachment "USEPR environ update for SC-2-10-01 r1"

C. Working Group and Liaison Reports

1. NRC Liaison Report *T. Koshy*
2. IEEE/ASME NQA-1 Liaison Report *N. Burstein*
See attachment "NPEC liaison report to ASME 4-10" and "ASME liaison report to NPEC 10-1"
3. ISA Liaison Report *R. Queenan*
4. EPRI Liaison Report *C. Abernathy*
5. SC 2.1: IEEE Std. 323 (Electric Equip EQ) *J. Gleason*
Working is ongoing on the harmonization of the qualification standards within IEEE and IEC and three condition monitoring standards (62582 Parts 1, 2, & 4).



6. SC 2.2: IEEE Std. 334 (Motors) *B. Newell, J. Dean*
A PAR will be issued shortly to begin either the Re-affirmation or revision of the standard.
7. SC 2.3: IEEE Std. 382 (Valve Operators) *E. Mohtashemi*
The standard will proceed with a reaffirmation.
8. SC 2.4: IEEE Std. 383 (Cables) *J. White*
PAR has been requested for revision to the standard.
9. SC 2.5 IEEE Std. 344 (Seismic) *J. Parello*
PAR submitted for a revision to the standard. The WG will meet on 4/21/10.
10. SC 2.6: C37.98 (Relays Seismic Qual) *S. Channarasappa, M. Nemier*
The WG met on 4/19/10 to work on the revision of the standard.
11. SC 2.10: IEEE P-627 (Overall EQ) *D. Horvath*
The SA standards board has approved the standard.
12. SC 2.11: IEEE Std. 572 (Connectors) *F. Roy*
There has been no activity in WG 2.11 since the last SC-2 committee meeting. The standard is approaching its 5-year anniversary and will be submitted for reaffirmation prior to the 2011-01 meeting of SC-2.
13. SC 2.13: IEEE Std. 650 (Battery Chargers) *D. Dellinger*
The standard will proceed with a reaffirmation.
14. SC 2.14: IEEE Std 649 (Motor Control Centers) *R. Francis*
The standard will proceed with a reaffirmation.
15. SC 2.15: IEEE P-1682 (FO Cable Qual) *J. Pirrong*
Preview documents attached in file "2.15 NPEC Preview April 20 2010"

D. WRAP-UP

1. Old Business - None
2. New Business - None
3. Next Meeting
SC-2 (10-2) October 2010 Seattle, WA
4. Adjournment
A motion was made by Nissen Burstein to adjourn the meeting. Robert Francis seconded the motion. The motion carried.