



IEEE NPEC SC2 Fall Meeting 16-02

November 6-11th

Clearwater Beach Sheraton Sand Key

SC-2 Rate \$182/night Includes Free Internet

IEEE NPEC SC2 Fall Meeting 16-02 (OR copy and paste the following link into a web browser)

<https://www.starwoodmeeting.com/events/start.action?id=1608247332&key=1F506839>

Hotel Address and Phone:

1160 Gulf Boulevard Clearwater Beach, FL 33767

Phone: (800) 456-7263

<http://www.starwoodhotels.com/sheraton/property/overview/index.html?propertyID=914>

Airport Transportation

<http://www.starwoodhotels.com/sheraton/property/area/transportation.html?propertyID=914>

Sunday November 6th: ADCOM

3 PM - 6 PM: Coquina/3rd Floor - SC-2 Officers/Past Officers and WG Chairs

Monday November 7th: Working Group Meetings

8 AM - Noon: Cardita/5th Floor - IEEE 344 (SC 2.5) Seismic

9 AM - Noon: Conch/6th Floor - Conformity Assessment Invitation Only

Noon - 1:00 PM: Lunch – Not Provided

1 PM - 5 PM: Cardita/5th Floor - IEEE 627 (SC 2.10) Overall EQ

1 PM - 5 PM: Conch/6th Floor - Conformity Assessment Invitation Only

Tuesday November 8th: Working Group Meetings

8 AM - 11AM: Cardita/5th Floor – IEEE P2425 (SC 2.16) EMI/EMC

9 AM - Noon: Conch/6th Floor – IEEE 1682 (SC 2.15) Fiber Optic

10 AM - Noon: Sundial/4th Floor – IEEE 649 (SC 2.14) Motor Control ?

Noon - 1:00 PM: Lunch - Rusty's Dining Room (**Included**)

1 PM - 2 PM: Cardita/5th Floor - 60780-323 (SC 2.1) EQ White Paper

2 PM - 3 PM: Cardita/5th Floor - IEEE 383 (SC 2.4) Cable EQ White Paper

3 PM - 5 PM: Cardita/5th Floor - IEEE 572 (SC 2.11) Connectors

1 PM - 5 PM: Conch/6th Floor - IEEE 382 (SC 2.3) Actuators

1 PM – 5 PM: Sundial/4th Floor - TBD

Reception 6 pm to 8 pm: Pool Deck Weather Permitting (Beach Room Otherwise): Open Bar & Hors D'oeuvres

Wednesday November 9th: SC-2 Meeting
8:30 AM - 5:00 PM: Sand Key Room

A. BUSINESS

Call to order - R. Konnik

- 1. Introductions - R. Konnik**
 - a. Roll Call - J. Cornelius**
 - b. Identification of Guests - R. Konnik**
 - c. Approval of Agenda and General Remarks – R. Konnik**
 - d. Meeting Fee - \$50 - Includes all WG meeting room fees**

- 2. Secretary’s Report – J. Cornelius**
 - a. Approval of Previous Meeting Minutes**
 - b. Status of Action Items**
 - c. Status of Bio Book Update: Rebecca Steinman**
 - d. Report of SC 2 Financial Status/Alligator Fund**

SC-2 (16-1) Meeting April 2016 Seattle, Washington

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|------------------------------------|------------------|
| Balance Prior to Meeting - | \$3657.70 |
| Collected at 16-1 Meeting - | \$2940 |
| Cost of 16-1 Meeting - | \$ 328.22 |
| Balance (9/12/16) - | \$6269.48 |

- 3. Chairman’s Report – R. Konnik**
 - a. Summary of SC 2 ADCOM**
 - b. Summary of NPEC Meeting**

- c. **Status of Required Project Revisions**
- d. **Awards**

4. Vice-Chairman's Report – E. Mohtashemi

- a. **Meeting 17-1: Week of April 30th San Diego Marriott**
- b. **Meeting 17-2: Around Week of November 6th**

5. Previews

- a. **None**

B. 10:30 AM – Noon: Working Group and Liaison Reports

- | | |
|---|--------------------------------|
| a. SC 2.1: IEEE Std. 323 (Electric Equip EQ) | J. White |
| i. IEEE/IEC 62582-6 | K. Spang |
| b. SC 2.2: IEEE Std. 334 (Motors) | J. Dean/B. Newell |
| c. SC 2.3: IEEE Std. 382 (Valve Operators) | E. Mohtashemi |
| d. SC 2.4: IEEE Std. 383 (Cables) | R. Konnik |
| e. SC 2.5: IEEE Std. 344 (Seismic) | J. Parello |
| f. SC 2.6: C37.98 (Relays Seismic Qual) | S. Channarasappa /M. Nemier |

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| g. SC 2.10: IEEE 627 (Overall EQ) | Rebecca Steinman |
| h. C 2.11: IEEE Std. 572 (Connectors) | Gary Elam |
| i. SC 2.13: IEEE Std. 650 (Battery Chargers) | D. Dellinger |
| j. SC 2.14: IEEE Std. 649 (Motor Control Centers) | R. Francis |
| k. SC 2.15: IEEE 1682 (Fiber Optic Cable) | J. Pirrong |
| l. SC 2.16: IEEE P2425 EMI/EMC | S. Channarasappa |
| m. Conformity Assessment Committee | J. Cornelius |

**Noon - 1:00 PM: Lunch Rusty's Dining Room
Sponsored by RSCC Wire & Cable LLC**



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| n. EPRI Liaison Report | Chris Abernathy |
| o. NRC Liaison Report | Shelia Ray |
| p. ISA Liaison Report | Bob Queenan |
| q. ASME Liaison Report | Open |
| r. IEEE/ASME NQA-1 Liaison Report | Open |
| s. IEEE ICC Liaison Report | Art Maldonado |

C. 2:00 PM to 4:45 PM: Presentations

- a. Motor Lead Cable

D. 4:45 PM to 5:00 PM: Wrap-Up

- a. Old Business
- b. New Business
- c. Next Meeting – May 2017
 - Ed Mohtashemi Chairman
 - Johnathan Cornelius Vice-Chair
 - Marie Nemier Secretary
- d. Adjournment

Thursday November 10th: IEEE/IEC 62582 Meeting

8:00 AM - 5:00 PM: Coquina/3rd Floor

IEEE/IEC 62582-6 IR

Friday November 11th: IEEE/IEC 62582 Meeting

8:00 AM - 5:00 PM: Coquina/3rd Floor

IEEE/IEC 62582-6 IR (Continue If Required)

Review & Determine If Revision Needed:

IEEE/IEC 62582-1 General

IEEE/IEC 62582-2 Indenter

IEEE/IEC 62582-4 OIT

If needed can pick appropriate standards to discuss what is needed in revision

IEEE PES NPEC SC2 Standards

| SC 2. Standard | Title | Status | Par Exp. | Expires | |
|----------------|-------------------------------------|--|-------------------|-----------|-----------|
| 1 | IEEE/IEC 60780-323: 2016 | Qualification of Electrical Equipment Important to Safety for Nuclear Facilities | White Paper | NA | 31-Dec-26 |
| 1 | 62582-1 | Standard for Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 1: General | Start? | NA | 31-Dec-21 |
| 1 | 62582-2 | Standard for Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 2: Indenter modulus | Start? | NA | 31-Dec-21 |
| 1 | 62582-2-am1 | Nuclear Power Plants - Instrumentation and Control Important to Safety - Electrical Equipment Condition Monitoring Methods - Part 2: Indenter Modulus Amendment 1 | Published 2015 | NA | 31-Dec-21 |
| 1 | 62582-3 | Standard for Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods - Part 3: Elongation at break | | NA | 31-Dec-22 |
| 1 | 62582-4 | Standard for Nuclear power plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods Part 4: Oxidation induction techniques | | NA | 31-Dec-21 |
| 1 | 62582-5 | Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods Part 5: Optical time domain reflectometry | Published 2015 | NA | 31-Dec-25 |
| 1 | P62582-6 | Nuclear Power Plants - Instrumentation and control important to safety - Electrical equipment condition monitoring methods Part 6: Insulation Resistance | In Process | 31-Dec-19 | |
| 2 | IEEE 334-2006 R2012 | IEEE Standard for Qualifying Continuous Duty Class 1E Motors for Nuclear Power Generating Stations | | NA | 31-Dec-22 |
| 3 | IEEE 382-2006 | IEEE Standard for Qualification of Safety-Related Actuators for Nuclear Power Generating Stations | PAR | 31-Dec-09 | 31-Dec-18 |
| 4 | IEEE 383 2015 | IEEE Standard for Qualifying Electric Cables and Splices for Nuclear Facilities | White Paper | NA | 31-Dec-25 |
| 5 | IEEE 344 2013 | IEEE Standard for Seismic Qualification of Equipment for Nuclear Power Generating Stations | IEC Harmonize PAR | NA | 31-Dec-23 |
| 6 | C37.98-2013 | IEEE Draft Standard for Seismic Qualification Testing of Protective Relays and Auxiliaries for Nuclear Facilities | | NA | 31-Dec-23 |
| 10 | IEEE 627 -2010 | IEEE Standard for Qualification of Equipment Used in Nuclear Facilities | In Process | 31-Dec-20 | 31-Dec-20 |
| 11 | IEEE 572-2006 R2011 | IEEE Standard for Qualification of Class 1E Connection Assemblies for Nuclear Power Generating Stations | PAR | NA | 31-Dec-21 |
| 13 | IEEE 650-2006 | Standard for Qualification of Class 1E Static Battery Chargers, Inverters and Uninterruptible Power Supply (UPS) Systems for Nuclear Power Generating Stations | NPEC February | 31-Dec-17 | 31-Dec-18 |
| 14 | IEEE 649-2006 R2011 | IEEE Standard for Qualifying Class 1E Motor Control Centers for Nuclear Power Generating Stations | Start? | NA | 31-Dec-21 |
| 15 | IEEE 1682 - 2011 | IEEE Standard for Qualifying Fiber Optic Cables, Connections, and Optical Fiber Splices for Use in Safety Systems in Nuclear Power Generating Stations | White Paper | NA | 31-Dec-21 |
| 16 | P2425 | Standard for Electromagnetic Compatibility Testing of Electrical and Instrumentation and Control Equipment at Nuclear Power Generating Stations and Other Nuclear Facilities | In Process | 31-Dec-20 | |