

## SC-3 WG 3.4 23-10 Meeting Minutes December 8, 2023 2 PM to 3 PM EST WebEx

<https://ieeesa.webex.com/ieeesa/j.php?MTID=m152be1498eaa1d66a75f8343aeb37211>

1. Call to Order

The meeting was called to order by Chair, Rebecca Steinman, at 2:08 pm EST.

2. Roll Call

Rebecca captured 5 members in attendance based on WebEx participant list. Full roll call was not formally held, since it was clear quorum was not met.

3. IEEE Patent and Copyright Policy Review, slides attached

Rebecca reviewed the required policies at a high level and directed participants to the attached slides for additional details.

4. Discuss 23-09 Meeting Minutes (online approval)

Due to a lack of quorum the 23-09 minutes could not be approved. Rebecca will post the minutes online and attempt to get a quorum vote for approval ahead of the January 2024 hybrid meeting.

5. Review Previous Action Items

- i. **ALL.** Evaluate content of EPRI NP-1558 Rev 1 (3002018283), Activation Energy Use & Verification, activation energy may require changes to the standard. ALL team to consider the issues as we review the Annexes.

- ii. **Rebecca.** Report on NPEC change in approach to titles for standards.  
Due: After AdCom 23-2 meeting minutes published.

Suresh confirmed NPEC desired action with respect to standard naming convention. Rebecca will prepare a PAR revision ahead of the January meeting, but the need by date for approval is when we go to balloting after the July meeting, so there is no rush for approval.

- iii. **ALL.** Consider change title from "...Facilities" to "...Nuclear Facilities."  
ALL be prepared to discuss at the next meeting.

Rebecca to prepare PAR revision ahead of the January NPEC meeting.

- iv. **Chris Abernathy.** Compare the elastomer handbook and the Polymer table in Annex A to determine if any changes are needed. He will report out at the January 2024 meeting.

6. Finish review of Annex B

Confirmed that all actions from prior call had been completed and that Annex B initial review was done. No additional actions on Annex B during this meeting.

7. Review Annex C

Revised the last paragraph of C.1 to refer to the IEEE/IEC 62582 series standards for general condition monitoring techniques and to IEC/IEEE 60780-323 for the use of condition monitoring for equipment qualification purposes.

Revised C.2 subitem e to eliminate the reference to PAOT for EQ equipment and simply state "Confidence in establishing intervals of time between testing that assure continued functionality (as defined by the acceptance criteria) during the entire **applicable service life and operating conditions**."

Revised C.3 to add a caution that the selection of NDE techniques need to consider not causing other safety hazards. Cross-references to IEEE/IEC 62582-1 and IEEE 1185 were added to the end of the clause, with appropriate bibliographic entries. Also added cross-references to the appropriate IEC 62582 series condition monitoring standard for the appropriate entries in Table C.1.

Action to Tom Koshy to generate a new paragraph about using cable deposits as a means to monitor aging. Koshy's input was received via email immediately after the meeting ended and was inserted into the Rev 0h working draft of the standard on 12/9/23.

8. New Information

George Kyle has been keeping a running list of comments and resolutions for each edit made to P1205 in an Excel spreadsheet. Rebecca will distribute that file with the updated working draft of P1205 ahead of the January 2024 meeting.

Rebecca indicated that NPEC would be voting on a revised P&P at the January meeting and that the WG would need to adjust practices to align with any changes after the new document becomes effective.

9. New Action Item Recap

No new actions, but Chris confirmed his readiness to discuss his last action for the Annex A polymer table at the January meeting.

10. Upcoming Meetings

- a. NPEC meeting with PES in New Orleans, LA January 8-11, 2023. WG 3.4 will meet from 3-5 pm local time on Monday, January 8, 2023. This is a hybrid meeting with both an in-person and a virtual component – both of which require a meeting fee be paid.
- b. We will resume regular monthly virtual meetings on February 23, 2024 at 3 pm EST/ 2 pm CST.

11. Adjourn

Meeting was adjourned by the Chair at 3:11 pm.

## WG 3.4 December 8, 2023 Meeting Attendees Roster

Members:

<b>Name</b>	<b>Affiliation</b>	<b>Voting?</b>	<b>Present</b>
Rebecca Steinman	Self/Constellation	Y	X
Suresh Channarasappa	Westinghouse	Y	X
George Kyle	Self	Y	
Chris Abernathy	TVA	Y	X
George Ballassi	Self	N	
James Gleason	Self	N	
Steven Graham	Duke Energy	Y	
John Kickhofel	Apollo+ Nuclear	N	
Robert Konnick	Marmon Innovation and Technology	Y	X
Tom Koshy	DNSFB	Y	X
Jacob Kulangara	DOE/NASA	Y	
G. Singh Matharu	Self	N	
Ed Mohtashemi	Self	Y	
Khoi Nguyen	NRC	N	
Eric Rasmussen	R-SCC	N	

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- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential  
Essential Patent Claims is encouraged**

## WAYS TO INFORM IEEE

- Cause an LOA to be submitted to the IEEE SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair



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    - Technical considerations remain the primary focus.
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  - Don't discuss the status or substance of ongoing or threatened litigation.
  - Don't be silent if inappropriate topics are discussed. Formally object to the discussion immediately.

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For more details, see *IEEE SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

## PATENT-RELATED INFORMATION

The patent policy and the procedures used to execute that policy are documented in the:

- *IEEE SA Standards Board Bylaws*  
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- *IEEE SA Standards Board Operations Manual*  
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at  
<http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the IEEE SA  
Standards Board Patent Committee  
Administrator at [patcom@ieee.org](mailto:patcom@ieee.org)**

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- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
  - <https://standards.ieee.org/about/policies/opman/sect6.html>