



PES/NPEC SC-4: Working Group 4.6 - Preferred Power Supply Meeting Minutes for S23-01

Chair: Tamatha Womack **Vice Chair:** Edwin Kozo **Secretary:** Jason Bellamy

**Orlando, FL
January 24th 2023**

1. Welcome and Introduction

Chairman Tamatha Womack called the meeting to order at 2:00 PM, January 24th, 2023.

The IEEE-SA Patent Policy was reviewed in accordance with Clause 6 of the IEEE-SA Standards Board Bylaws; the foregoing information was provided by review of the Patent Policy slides 1 through 4, as provided by IEEE-SA staff. The Chair provided an opportunity for attendees to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which an attendee was personally aware and that may be essential for the use of a standard. No responses were given by the attendees.

The IEEE-SA Copyright Policy was reviewed in accordance with Clause 7 of the IEEE-SA Standards Board Bylaws and Clause 6.1 of the IEEE-SA Standards Board Operations Manual; the foregoing information was provided by review of the Copyright Policy slides provided by IEEE-SA staff.

2. Review of Membership/Attendance

The membership roster was reviewed and updated. Introductions were made by reading the name and affiliation of each member and identification of guests. See Attachment 1 for an updated list of members and guests who were in attendance. 22 of the 25 working group members were present to establish a quorum.

Removed: N/A

Added: N/A

Requested to be member: Preston Cooper

3. Review of Meeting Minutes and Agenda

The 23-01 agenda was reviewed by the chair. The agenda is attached as Attachment 2.

Motion to approve 23-01 Agenda: Kenn Miller

Second: Ayodele Ishola-Salawu

Motion approved by unanimous consent without objection.

The Meeting Minutes for 22-02 were reviewed and approved as written. The meeting minutes of 22-02 will be sent to the webmaster to be uploaded to the website.



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Meeting Minutes for S23-01**

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Motion to approve 22-02 Minutes: Gene Poletto

Second: Ayodele Ishola-Salawu

Motion approved by unanimous consent without objection.

4. Action Items

Item #	Assigned to	Action	Due	Status
16-1	Working Group Members	Review 1792 for possible impacts to frequency descriptions due to effects of NPIRs. Coordinate with possible NERC representative (NUC-001 & PRC)	23-02	Retain for future discussion
22-1	Brad Miller & Tom Koshy	Capture comments to be addressed in next revision of 765	8/31/22	CLOSED
22-2	Group Members	Draft PAR for 1792 prior to 23-01	10/1/22	CLOSED

5. Specific Items Related to Standard 765

No new action since approval of standard.

6. Specific Items Related to Standard 1792

As with Standard 765, Standard 1792 will have further evaluation for changes associated with relaxing the frequency requirements.

Webex was held prior to 23-01, the draft PAR was presented to the working group during the 23-01 meeting. The PAR was revised, and the working group voted to proceed with the PAR as amended during the working group. Working Group voted to proceed with PAR unanimously with one abstaining.

PAR wording to be - "To consider ballot comments received during initial balloting of the existing document, consider current industry operating experience, update references, and bring the document to current IEEE format."

Brad Miller to put together capture comments to be addressed in next revision.



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7. General Items/New Business

Copyright and patent slides were reviewed during the meeting. A summary of the joint meeting was discussed which included SC-4 maintaining a consolidated list of definitions that each standards contains.

8. Next Working Group Meeting

Next formal working group meeting will be held in July 2023 in Buffalo, NY. There will be a virtual meeting scheduled at least 45 days prior to 23-02 of review of the documented applicability of comments.

9. Meeting Closing Remarks/Adjournment

Meeting adjourned at 3:00 PM.

Motion to Adjourn: Gene Poletto

Second: Neal Simmons

Motion approved by unanimous consent without objection.

10. Virtual Meeting Update

A Web-Ex meeting was held on June 7th to discuss the previous applicable ballot comments. The applicable comments were assigned for recommended updates to the standard.

Attachments

Attachment 1 – Membership

Attachment 2 – Agenda

Attachment 3 – Power Point Presentation



ATTACHMENT 1

Attendance/Membership

Member #	Member Name	Affiliation	In Attendance
1.	Jason Bellamy	Enercon	Y
2.	Mark Bowman	TVA	Y
3.	Ken Fleischer	Fleischer Consultants	N
4.	Ayodele Ishola-Salawu	NextEra	Y
5.	Shinji Kawanago	MHI Nseng	Y
6.	Thomas Koshy	DNFSB	Y
7.	Edvin Kozo	Arizona Public Service	Y
8.	Joe Krvavac	Sargent & Lundy	Y
9.	Tim Lensmire	ENERCON	Y
10.	Singh Matharu	US NRC	Y
11.	Brad Miller	Entergy (ANO)	Y
12.	Kenn Miller	US NRC	Y
13.	John Minley	Southern Nuclear Co	N
14.	Gene Poletto	Colabrative Engineers	Y
15.	Sheila Ray	US NRC	Y
16.	Gregg Reimers	Independent	Y
17.	Courtney Revie	Duke Energy	Y
18.	Neal Simmons	Zachry Nuclear Engineering	Y
19.	Shawn Simon	INPO	Y
20.	Masashi Sugiyama	Hitachi - GE Nuclear	Y
21.	Michael Sykes	Self	N
22.	Scott Sweat	Westinghouse Electric Company	Y
23.	Hideki Tanaka	Mitsubishi Heavy Industries	Y
24.	Jeff Weibelt	Southern Nuclear Co	Y
25.	Tamatha Womack	TVA	Y
Guests in Attendance			
Sarah Ansari		Entergy	
Preston Cooper		TVA	
Parker Bennet		ENERCON	
Keith Bush		ENERCON	
Hector Leon		South Texas	



ATTACHMENT 2

Agenda

Tuesday January 24, 2023 2:00 - 3:30 EST Location: Holiday Inn Orlando-Disney Springs Area <i>NPEC Event Registration and Fee Required, Mtg Room Locations in Eventbrite</i> <i>https://www.eventbrite.com/e/ieee-npec-23-01-registration-433598473707</i>	
1.	Welcome / Call to Order / Required IEEE Announcements
2.	Roll Call, Quorum, Identification of Guests/Affiliations
3.	Agenda Overview and Approval (Majority approval)
4.	Review and Approve 22-01 Meeting Minutes (Majority approval) and Overview of 22-02 Informal Meeting
5.	Joint SC-4 Working Groups Meeting Summary
6.	IEEE St. 1792 PAR Vote (Two-thirds approval)
7.	New Items / Open discussion
8.	Action Items (Status/New)
9.	Next Working Group Meeting
ADJOURN	

Open Action Items:

Item #	Assigned To	Action	Due	Status
16-01	All Working Group Members	Review 1792 for possible impacts to frequency descriptions due to effects of NPIRs	22-01	

Next Working Group Meetings:

- Virtual: Prior to mid-June 2023
- 23-02: In conjunction with NPEC (Tentatively Buffalo, NY – Meeting notices will be sent by NPEC to all WG/SC members)
- 24-01: In conjunction with NPEC (and possibly JTCM) – Tentatively New Orleans, LA



ATTACHMENT 2

Agenda

Summary items for IEEE Std 1792:

23-01 Meeting Summary – Draft Discussion Topics

PAR Need for the Project: “This revision is to update the recommended practice from recent industry experience. Also to review the applicable previous ballot comments. References will be reviewed and revised as required. Technical content will be reviewed and brought up to date with current industry experience, as applicable.

1. Required:
 - a) Determine PAR need for project, motion, vote.
 - b) All WG members to review ballot comments identified in #2
2. Dispositioned Comments located in iMEET, NPEC WG 4.6 PPS, Draft Documents, 1792
 - a) Dispositioned comments from last ballot that must be reviewed for consideration (Dispositioned Comments for Upload (Next Rev Cons Highlighted).xls)
 - b) Listing of all comments from recent balloting efforts for 308, 741, and 765 (Joint Working Group Ballot Comments (Draft 0).xlsx)
3. Proposed:
 - a) Notification of terminology alignment requirements – if any deviations from issued standards, must communicate prior to going out for review for standard we are revising
 - b) Review last 1792 ballot comments for consideration (5 total) – document in meeting minutes working group determination to consider for this revision, comment is not beneficial to the standard, or hold for future consideration.
 - c) Assign a team to review/document Joint Working Group Ballot Comments for applicability to 1792.

Proposed Assignments/Work Needed between 23-01 and 23-02 meeting

1. PAR Initiated through NPEC (assigned to WG 4.6 leadership)
2. Review Joint Comments for applicability to 1792 (assigned to all members)
 - a) Team to set up and hold a virtual review (meeting or electronically) which meets quorum requirements set forth by IEEE SA – this will be counted as an official meeting with meeting minutes, WG leadership to be present.
 - b) Team to distribute documented applicability for comments at least 2 weeks prior to the virtual review
 - c) Working group members, by majority agreement, determine final applicability
 - d) Summarized topics will be documented in meeting minutes and uploaded to iMeet
3. Summary of items/topics to consider for 1792 revision ≥ 45 days prior to 23-02 meeting

IEEE SA recording policy

“IEEE SA applies restrictions on recording the proceedings of IEEE standards development meetings. Restrictions include, but are not limited to, the usage of audio recording, video recording, and photography by participants or observers.”

Recommendation from IEEE-SA staff about taking photos of awards, etc.

- Keep standards development portions of meetings separate from tutorials, award ceremonies, and other non-development activities.
- Make the separation clear on any agendas or session descriptions.
- If attendees request permission for photos ahead of time, any such permission cannot subvert the Ops Manual, so no photography would be allowed in the standards development portion of meetings, even if permission is granted by participants.

The IEEE SA Recording Policy is described in the IEEE SA Standards Board Operations Manual

- Clause 5.3.3.2 of the IEEE SA Standards Board Operations Manual

<https://standards.ieee.org/about/policies/opman/sect5.html>

Duty to Inform IEEE

- 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); 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

Other Guidelines for IEEE WG's

- All IEEE SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
 - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
 - Don't discuss specific license rates, terms, or conditions.
 - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - Technical considerations remain the primary focus.
- Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
- 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.

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**