

## PSCC Main Committee Meeting Minutes

Meeting Location: Myrtle Beach, SC/MS Teams	Meeting Time: 11:00AM ET	Meeting Date: 2023/09/21	Minutes revised: NO	Minutes Approved: 2024/1/11
Presiding Officer: James Formea, Chair		Recorded by: Craig Palmer, Secretary		
Attendance:				
Name		Affiliation	Attending via Phone (P) / Web	M/CM/G
Jay Anderson		SEL	L	M
Tony Bell		Ametek	L	M
Marc Benou		Iniven	L	M
Steven Blair		Synaptec	W	G
James Bougie		Alberio Energy	L	M
Ed Cenzon		SEL	W	M
Brittany Chapman		Commonwealth Associates	W	G
Tom Dahlin		SEL	L	M
Milo Daub		Mesa Associates	L	G
Mike Dood		SEL	L	M
Markus Epting		S & C Electric	W	G
Ron Farquharson		DNP-UG	L	M
James Formea		Eaton	L	M
John Fuller		Retired	W	M
Ernie Gallo		Ericsson	W	M
Vasudev Gharpure		Quanta	W	M
Ethan Grindle		ATC	L	G
Muhammad Hamid		Black & Veatch	L	G
Yi Hu		Quanta	L	M
Chris Huntley		SEL	L	M
Anthony Johnson		Southern California Edison	L	M
Reza Khalghani		Florida Polytechnic Univ.	W	M
Del Khomarlou		Hydro One	W	M
Theo Laughner		Lifescale Analytics	W	M
Scott Lee		Southern California Edison	W	G
Deepak Maragal		Power Eureka	L	M
Bernard Matta		SEL	L	G
Mark McChesney		Oncor	L	G
Bill McCoy		Retired	W	M
Dave McGuire		Hubbell Power Systems	W	M
Jim Michaelis		Commonwealth Associates	L	M
Scott Mix		PNNL	L	M
Hugo Monterrubio		Hubbell Power Systems	L	M
Priyanka Nadkar		SEL	L	G
Jeff Pack		Power Engineers	W	M
Craig Palmer		PowerComm Solutions	L	M
Charles Pestell		Powell	L	G
Craig Preuss		Black & Veatch	L	M
Shashidhar Reddy Sathu		SEL	L	G

**Minutes of meeting (continued)**

Page 2 of 8

Randy Roberts	Southern Company	L	G
Jose Ruiz	Doble Engineering	L	G
Neil Saia	Entergy	L	G
Eric Thibodeau	Hydro Quebec	L	M
Tom Thompson	IEEE SA	L	G
Ian Tualla	Duke Energy	L	M
Justin Turner	GE	L	G
Eric Udren	Quanta	L	M
Benton Vandiver	Hitachi	L	M
Karen Wyszczelski	SEL	L	G
Adrian Zvorych	Qualus	L	G

Item no.	Notes	Action by
<b>CALL TO ORDER, ROLL CALL, QUORUM DETERMINATION, AND APPROVAL OF AGENDA</b>	Meeting called to order at 11:00AM Eastern time. A roll call of members was made and a quorum was achieved (31 / 45 members). The agenda was presented, and Scott Mix made a motion to approve the agenda. The motion was seconded by Ron Farquharson. The motion was passed by unanimous consent.	Formea
<b>INTRODUCTIONS</b>	The attendees introduced themselves. 50 attendees total. Local: 36 attendees (21 members); web: 14 attendees (10 members).	Attendees
<b>APPROVAL OF PREVIOUS MINUTES</b>	The regular May meeting minutes were circulated by email. Eric Thibodeau motioned that the minutes be approved. The motion was seconded by Scott Mix. The motion was passed by unanimous consent.	Formea
<b>NEW BUSINESS – E0</b>	<p>E0 Chair made a motion to go to ballot for <i>IEEE Std P487a: Standard for the Electrical Protection of Communications Facilities Serving Electric Supply Locations -- General Considerations Amendment: New Annex J- Guidance for Determining the Ground Potential Rise and Induced Voltages for the Design of Communications Installations at Electric Supply Locations.</i></p> <p>Mike Dood second.</p> <p>Discussion: has a ballot body been formed yet? No. Discussion: what Electric Supply Locations does the standard cover? Any, but note that the standard is not for the Electric Supply Locations – it is for the Communications Facilities <i>servicing these locations.</i></p> <p>Motion carried by unanimous consent.</p>	Fuller
<b>NEW BUSINESS – F0</b>	<p>F0 Chair made a motion for a 2-year PAR extension for <i>IEEE Std 1591.4: Standard for Testing and Performance of Hardware for Optical Phase Conductor (OPPC).</i> The group is in comment resolution and wants to ensure enough time to complete this task.</p> <p>Jim Michaelis second.</p> <p>Motion carried by unanimous consent.</p>	Khomarlou
<b>NEW BUSINESS – P0</b>	<p>P0 Chair made a motion for a 2-year PAR extension <i>IEEE PC37.118.2 Draft Standard for Synchrophasor Data Transfer for Power Systems.</i> The group is in comment resolution and wants to ensure enough time to complete this task.</p> <p>Jay Anderson second.</p> <p>Motion carried by unanimous consent.</p>	Dahlin
<b>NEW BUSINESS – P0</b>	<p>P0 Chair made a motion for the publication of the report from P12TF – <i>Report on Analog Leased Lines Withdrawal of Service.</i> The P0 subcommittee has approved the report for publication.</p> <p>Scott Mix second.</p> <p>Motion carried by unanimous consent.</p>	Dahlin

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<b>NEW BUSINESS – S0</b>	<p>Ed Cenzone made a motion for a 1-year PAR extension for <i>IEEE P1711.1, Serial SCADA Protection Protocol (SSPP) Guide for using Secure SCADA Communications Protocol (SSCP) and Serial SCADA Protection Protocol</i>. The group is in ballot and wants to ensure enough time to address any comments that come back from the ballot body.</p> <p>Eric Thibodeau second.</p> <p>Motion carried by unanimous consent.</p>	Cenzone
<b>NEW BUSINESS – S0</b>	<p>S0 Chair made a motion for the publication of the report from S9TF – <i>Report on Utility IT/OT Challenges in Roles and Terminology</i>. The S0 subcommittee has approved the report for publication.</p> <p>Theo Laughner second.</p> <p>Motion carried by unanimous consent.</p>	Mix
<b>CHAIR REPORT</b>	<p>The Chair displayed his long-term goals for PSCCC, broadly:</p> <ol style="list-style-type: none"> <li>1. Focus on consistency</li> <li>2. Strive for openness and accessibility</li> <li>3. Develop a leadership pipeline</li> </ol> <p>The Committee O&amp;P manual is being updated. Looking to May 2024 to have harmonization across the Committee P&amp;P, Working Group P&amp;P, and Committee O&amp;P manuals.</p> <p>The chair reviewed the presently-understood voting requirements for different stages of standard, guide and report development. The chair also reviewed the membership requirements for different levels of participation in PSCCC work. In the interest of maintaining an active membership that can reliably meet quorum, WG/SC/MC officers may reach out to their membership to clarify their interest in cases where attendance or quorum has been a challenge. Emeritus status is an option for MC members who are interested (and who qualify).</p> <p>IEEE PES Young Professionals: A call for candidates for the IEEE PES Young Professionals award was issued. Four potential candidates presented themselves in the room.</p> <p>Memberplanet update: looking to Jan. 2024 for launch. The chair reminded any participants who have not already registered to do so. Failure to do so may put participants at risk of losing contact when the changeover is made.</p> <p>Mentoring initiative: The PES GM 2023 featured a micro-mentoring program in which the chair participated. Members are encouraged to seek a mentoring relationship with potential mentees as mentees are presently in surplus.</p> <p><b><u>JTCM 2024: Registration for virtual meeting access will cut off on Jan 3 2024. A reminder was given to not miss this cutoff date.</u></b></p>	Formea

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<b>CHAIR REPORT</b>	<p>EPM: The chair clarified that the “entity” in Entity Proposal Management (EPM) refers to any non-IEEE entity, be it an organization or individual.</p> <p>A call was made for the hybrid meeting coordinator position, to assist in setup / reconfiguration of virtual meeting hardware throughout the week at the tri-annual joint PSRCC/PSCCC meetings.</p>	Formea
<b>VICE CHAIR REPORT</b>	<p>The Vice-Chair reported on the ongoing work to develop a quick-reference guide for SG/TF/WG/SC/MC work: required votes, motions etc for the various actions required by normal business of these groups. That work is ongoing, review by A0 members is requested.</p>	Benou
<b>SECRETARY REPORT</b>	<p>PSCCC presently has 45 Main Committee members. During the September meetings PSCCC had 103 registered (PSCCC or “both”). 5 attendees at the Newcomer’s meeting (4 in-person, 1 virtual).</p> <p>The Secretary reviewed duties of PSCCC Main Committee members, thanked the room admins for virtual meetings, and reviewed the future meeting dates and locations for 2024. A call for content for PAC World quarterly magazine was made.</p> <p>The Secretary addressed feedback on the website and status of minutes. Posting of approved minutes is behind schedule and web team (Secretary and webmaster) will get site up to date.</p>	Palmer
<b>STANDARDS COORDINATOR</b>	<p>All PSCCC expiring PARs for 2023 have been addressed by PAR extension or completion.</p>	Dood
<b>SUBCOMMITTEE REPORTS – C0 POWER LINE CARRIER</b>	<p>C0 has a new Chair (Tony Bell) and Vice-Chair (Ian Tualla). Craig Palmer is outgoing chair.</p> <p>C1 WG for IEEE-643 Guide for PLC Applications continues its work and is meeting virtually between in-person meetings. 3 guests requested membership at this week’s meeting.</p>	Bell
<b>SUBCOMMITTEE REPORTS – E0 WIRELINE</b>	<p>E0 is looking for a secretary and a new Chair. Present Chair will serve through the E0 meeting on 12/5/23 but leadership not certain after that date. The Chair made a call for participation and for any interest in leadership.</p> <p>E0 updates: 14 members and 12 corresponding members. Supports liaisons to F0, IAS-PES JTCC (NFPA 70, 76) NFPA 70E, 780, IEEE C2.</p> <p>Standard updates:</p> <ul style="list-style-type: none"> <li>- IEEE P1692 – Guide for the Protection of Communication Installations from Lightning Effects is going to RevCom. Ballot closed 4/7/23.</li> <li>- IEEE P367 – Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault-revisions in progress with PSRC member participation, PAR expiration 12/31/25. Currently in need of WG Chair and Technical Editor.</li> </ul>	Fuller

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<p><b>SUBCOMMITTEE REPORTS – E0 WIRELINE</b></p>	<ul style="list-style-type: none"> <li>- IEEE P487a new guide, Introductory Information for Determining the Ground Potential Rise and Induced Voltages for the Design of Communications Installations at Electric Supply Locations – offers orientation and guidance for engineering processes addressed by IEEE 487 and 367 Standards. Compliant draft near completion, target publish 2023 (PAR exp. 12/31/24). Request for ballot pending.</li> <li>- IEEE 487.2-2013, Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations through the Use of Optical Fiber Systems – Opening new project for revisions, PAR in process, WG Chair assigned with tentative online meeting 10/26/23.</li> <li>- <b>Standards IEEE 487.4-2013, Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations through the Use of Neutralizing Transformers and Standard IEEE 487.5-2013, Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations through the Use of Isolation Transformers–</b></li> </ul> <p>Reviewed and recommended for Inactive-Reserved status (mature/legacy technologies- requirements do not require updates at this time but technologies and standards are still utilized in the industry. Standards can be re-opened at any later date for revisions if needed).</p>	<p>Fuller</p>
<p><b>SUBCOMMITTEE REPORTS – F0 FIBER OPTIC</b></p>	<p>F0 Chair gave a report on recent activity in F0:</p> <ul style="list-style-type: none"> <li>- IEEE 1595 Standard for Testing and Performance for Optical Phase Conductor (OPPC) for Use on Electrical Utility Power Lines was published in April 2023.</li> <li>- IEEE 1591.1 Standard for Testing and Performance of Hardware for Optical Ground Wire (OPGW) has been sent for publication</li> <li>- IEEE 1591.4 Standard for Testing and Performance of Hardware for Optical Phase Conductor (OPPC) has received a 2-year PAR extension</li> </ul>	<p>Khomarlou</p>
<p><b>SUBCOMMITTEE REPORTS – P0 PROTOCOLS &amp; COMMUNICATIONS ARCHITECTURE</b></p>	<p>P0 met with 24 of 40 members (quorum achieved). P0 Chair gave a report on recent activity in P0:</p> <ul style="list-style-type: none"> <li>- IEEE C37.236 Guide for Power System Protective Relay Applications Over Digital Communication Channels – received a 2-year PAR extension. Members encouraged to review latest draft section 6</li> <li>- IEEE C37.238a Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications Amendment 1: Adding a Type-Length-Value (TLV) to indicate the latest International Earth Rotation Service (IERS)-specified Universal Time Coordinated (UTC) Leap Second Event – <i>Congratulations to working group P1 on publication of the standard (RevCom approved on 6/28/23)</i></li> <li>- Reminder that the ballot for P10WG – IEEE P2664 Standard for Streaming Telemetry Transport Protocol closes on 10/5/23.</li> <li>- P12TF Report on Analog Leased Lines Withdrawal of Service – <i>congratulations to P12 on receiving approval to publish the report.</i></li> </ul>	<p>Dahlin</p>

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<p><b>SUBCOMMITTEE REPORTS – P0 PROTOCOLS &amp; COMMUNICATIONS ARCHITECTURE</b></p>	<ul style="list-style-type: none"> <li>- P0 WG/TF/SG chairs reminded to post minutes to iMeet site in a timely manner once approved. For groups meeting that do not require minutes, “Meeting Notes” may be placed in the approved minutes folder for publication on the PSCCC website.</li> </ul>	<p>Dahlin</p>
<p><b>SUBCOMMITTEE REPORTS – S0 CYBERSECURITY</b></p>	<p>S0 met with 20 members (quorum achieved). S0 Chair gave a report on recent activity in S0:</p> <ul style="list-style-type: none"> <li>- IEEE P1711.1, Serial SCADA Protection Protocol (SSPP) Guide for using Secure SCADA Communications Protocol (SSCP) and Serial SCADA Protection Protocol – in ballot, ballot closes 10/5/23.</li> <li>- WG for IEEE 1686 Standard for Intelligent Electronic Devices Cyber Security Capabilities will reconvene in January 2024 to investigate alternate interpretations of the specification’s language. Request meeting in Jan at JTCM.</li> <li>- S13 - Joint Work on IEEE Std 1547.3 Guide for Cybersecurity of DERs Interface with Electric Power Systems has completed its work and is inactive</li> <li>- S9TF – Report on Utility IT-OT Cybersecurity Challenges in Roles and Terminology has completed its work and gained SC and MC approval to publish its report. Congrats to S9TF.</li> <li>- S14 Study Group on HTTPS and TLS Exploration has gone inactive for want of a Chair. MC attendees encouraged to consider this work or to reach out to others who may be interested and able.</li> </ul>	<p>Mix</p>
<p><b>P3400 INCLUSIVE LANGUAGE</b></p>	<p>P3400 has gone through initial ballot then re-opened the ballot due to lack of response (votes). Those who did respond responded with 53% approval. 8 more votes needed. 540 comments. CRG will meet during the 2<sup>nd</sup> week of October. 12 members of the WG will be involved in the CRG. CRG will look to resolve comments and re-circulate for ballot.</p> <p>Discussion: will replacement of terms be mandatory? Yes, some terms must be replaced, but it is up to each group to decide on replacement terms (some suggestions given).</p> <p>Here for more info: <a href="https://sagroups.ieee.org/3400/">https://sagroups.ieee.org/3400/</a></p>	<p>Chapman</p>
<p><b>NEC REPORT</b></p>	<p>Bill McCoy, NEC Liaison, gave a brief update. Public can provide input on the 2026 Lifecycle.</p>	<p>McCoy</p>
<p><b>PES ROADMAP</b></p>	<p>A call was issued for participation from PSCCC members in PES Roadmap effort. A technical report is being coordinated by PES Tech Council. Scope is to provide a roadmap through 2035 on renewable integration, reliability and resilience, grid edge technologies, computation, and cybersecurity. Target for first draft is mid-November (tentative). Draft will be circulated for comments and review.</p> <p>Discussion: SC21 is interested in review/participation.</p>	<p>Preuss</p>

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<b>IEEE SA</b>	<p>WG officers must complete anti-trust training. WG/SC/MC rosters should be updated and sent to PM.</p> <p>Normative reference training is now available for anyone interested.</p> <p>There is a new process for requesting IEC standards. If request is approved, only a small number of individuals (2) may receive time-restricted access to the documents. Discussion: S15/H41 have requested IEC access but have not received response. IEEE SA to follow up. Note that new IEC rules do not affect existing IEC agreements.</p>	Thompson
<b>INTELLIGENT GRID &amp; EMERGING TECHNOLOGIES (iGET)</b>	<p>New officers: Chair Theo Laughner, Vice Chair Daniel Molzahn, Secretary Joviano Santos.</p> <p>iGET has slots for collaboration at PES GM panel session. Contact Theo Laughner or PSCCC secretary for more info.</p> <p>Upcoming webinars from iGET:</p> <ul style="list-style-type: none"> <li>- Oct 20, 2023 AI/ML - GE, Siemens, Itron, Schneider</li> <li>- Feb 16, 2024 Climate Change / Market Design (Topic of climate change)</li> <li>- Jun 21, 2024 Cyber Informed Engineering</li> </ul> <p>More iGET info: <a href="https://cmte.ieee.org/iget/">https://cmte.ieee.org/iget/</a></p>	Thompson
<b>DIGITAL PRIVACY INITIATIVE</b>	<p>DPI is an IEEE-wide effort focusing on the digital privacy needs of individuals, rather than the security of data/products/organizations.</p> <p>Panel at IEEE PES GM 2023: Challenges of Data Use in Evolving Smart Grid Panel.</p> <p>Targeting a Nov. 13 workshop in Washington DC.</p> <p>For more info: Chris Gorog: <a href="mailto:cgorog@blockframetech.com">cgorog@blockframetech.com</a> Stefano Zanero: <a href="mailto:stefano.zanero@polimi.it">stefano.zanero@polimi.it</a> Sin-Kuen Hawkins: <a href="mailto:sinkuen.hawkins@ieee.org">sinkuen.hawkins@ieee.org</a> General: <a href="mailto:digitalprivacy@ieee.org">digitalprivacy@ieee.org</a></p>	Preuss
<b>TECHNICAL COMMITTEE PROGRAM CHAIR (TCPC)</b>	<p>10 papers submitted for IEEE PES T&amp;D 2024, May 6-9 2024 Anaheim, CA. Papers are presently under review. 1 Panel session accepted as well.</p> <p>IEEE PES General Meeting: July 21-25, 2024 Seattle, WA. Paper submission deadline: 11/8/23. Panel proposal submission deadline: 11/8/23</p>	Khalghani
<b>CLOSING ANNOUNCEMENTS</b>	<p>Having exhausted the list of agenda items and upon reaching the end of the Agenda, the chair adjourned the meeting with approximately 5 minutes to spare.</p>	Formea