



## PSCC Subcommittee Meeting Minutes

Designation: S0		Name: Cybersecurity Subcommittee			
Meeting Location: Hybrid – Las Vegas, NV		Meeting Time: 2:45 PM ET	Meeting Date: 2023/05/10	Minutes Revised:	Minutes Approved:
PAR Output: NA	PAR Output: NA	PAR Approval Date: NA	PAR Expiration Date: NA	Target Sponsor Ballot Date: NA	Target Completion Date: NA
Presiding Officer: Scott Mix (Chair), Theo Laughner (Vice-Chair)			Recorded by: Theo Laughner	Draft Number: 1.0	
Attendance:					
Name		Affiliation		Attending via Phone (P) / Web (W) or Local (L) M/CM/G	
Scott Mix		PNNL		L	M
Theo Laughner		Lifescale Analytics		W	M
Jay Anderson		SEL		L	M
Ed Cenzone		SEL		L	M
Larry Collier		NERC		L	M
Mike Dood		SEL		L	M
Herb Falk		OTB		L	M
James Formea		Eaton		L	M
Colon Gordon		SEL		L	M
Dan Goodlett		NERC		L	M
Shane Haveron		Ametek		L	M
Chris Huntley		SEL		L	M
Anthony Johnson		SCE		L	M
Dean Ouellette		RTDS		L	M
Jeff Pack		Power Engineers		L	M
Craig Preuss		B&V		L	M
Eric Thibodeau		Hydro Quebec		L	M
Nathan Wallace		Ampirical		W	M
Tom Dahlin		SEL		L	G
Micahels		Commonwealth Associates		L	G
Gayle Nelms		SEL		L	G
Benton Vandiver		Hitachi		L	G
David Dolezhilbic		SEL		L	G
Tom Thompson		IEEE SA		L	G
Paul Harris		Pacifcorp		L	G
Ken Fodero		SEL		L	G
Craig Palmer		Powercomm		L	G
Emmanuel Davidson		Hubbell		L	G

M: Member			
CM: Corresponding Member			
G: Guest			

Item no.	Notes	Action by
<b>CALL TO ORDER</b>		Scott Mix
<b>INTRODUCTIONS AND QUORUM</b>	18 members present, quorum established	Scott Mix/Theo Laughner
<b>CALL FOR PATENTS</b>		
<b>CHAIR'S REMARKS</b>		Scott Mix
<b>AGENDA APPROVAL</b>	Herb Faulk – Motion, Eric Thibodeau – Second, Motion Carried	Scott Mix
<b>APPROVAL OF PREVIOUS MINUTES</b>	Jay Anderson – Motion, Tony Johnson – Second, Motion Carried	Scott Mix
<b>S1 Report</b>	<u><b>WG S1: Revision of IEEE 1686 IED Cyber Security Capabilities</b></u> Inactive	
<b>S2 Report</b>	<u><b>WG S2: P1711.1 Serial SCADA Protection Protocol (SSPP)</b></u> <b>PAR Approval:</b> 2017/03/23 <b>PAR Expires:</b> 2023/12/31 <b>Target Completion:</b> 2023/12/31 <b>Draft:</b> 9 <b>Chair:</b> Ed Cenzone <b>Vice-chair:</b> Andrew Wright* <b>Secretary:</b> Mike Dood <b>Scope:</b> This standard defines the Serial SCADA Protection Protocol (SSPP), a cryptographic protocol to provide integrity, and optional confidentiality, for cyber security of substation serial links. It does not address specific applications or hardware implementations, and is independent of the underlying communications protocol. <b>Status:</b> <ul style="list-style-type: none"> <li>•Met at 5pm on Monday 5/8/2023</li> <li>•6 members in attendance, with several guests. Quorum met.</li> <li>•Chair sent request to IEEE Program manager to form ballot pool (approved)</li> <li>•Chair to clean up draft (rev 9) and submit to S0 this week (Draft 9 attached here and uploaded to iMeetCentral)</li> <li>•Request for S0:</li> <li>•WG Requests approval to initiate balloting of P1711.1 Draft Rev 09</li> </ul> Next Meeting Requirements: [Room Size=20] [Projector=Yes][Telecom=Yes][Conflicts=P2]	Ed Cenzone
<b>S3/S4</b>	Inactive	

Item no.	Notes	Action by
S5	<p><b>WG S5: Revision of IEEE C37.240 Cybersecurity Requirements for Power System Automation, Protection and Control Systems</b></p> <p><b>PAR Approval:</b> yyyy/mm/dd <b>PAR Expires:</b> yyyy/mm/dd <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> TW Cease <b>Vice-chair:</b> --vacant-- <b>Secretary:</b></p> <ul style="list-style-type: none"> <li>•Met without chair or quorum</li> <li>•IEEE form completed and submitted to share document with ISA</li> <li>•Consensus of the group (confirming last three meetings) to go inactive.</li> <li>•Entertain motion to move group to inactive status pending completion of ISA99 WG14 work</li> </ul>	Scott Mix
S6	Inactive	
S7	<p><b>WG S7: P2808 Function Designations used in Electrical Power Systems for Cyber Services and Cybersecurity</b></p> <p><b>PAR Approval:</b> yyyy/mm/dd <b>PAR Expires:</b> yyyy/mm/dd <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Nathan Wallace <b>Vice-chair:</b> Mike Dood <b>Secretary:</b> Deepak Maragal</p> <p><b>Scope:</b> This standard applies to the definition of function designations for cyber related services, and cybersecurity controls and measures used to detect, identify, protect from, respond to, and recover from, security threats to electric power systems. These designations apply to the design, procurement, and operation of electric power systems. This standard also provides examples of how to represent systems using these designations.</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>• Met 5/10</li> <li>• Achieved Quorum</li> <li>• 12 attendees, 8 members, 4 guests</li> <li>• Worked on draft and discussed best approach for future meetings.</li> <li>• WG voted and approved motion to request a 4 year extension.</li> </ul> <p>Next Meeting Requirements: [Room Size=20] [Projector=Yes][Telecom=Yes][Conflicts= ]</p>	Nathan Wallace

Item no.	Notes	Action by
<p><b>S8</b></p>	<p><b>WG S8: P2658 Guide for Cybersecurity Testing in Electric Power Systems</b></p> <p><b>PAR Approval:</b> yyyy/mm/dd <b>PAR Expires:</b> yyyy/mm/dd <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Nathan Wallace <b>Vice-chair:</b> Deepak Maragal <b>Secretary:</b></p> <p><b>Scope:</b> This document provides test guidance for cybersecurity controls used in electric power systems. The guide encompasses testing and verification of cybersecurity services, applications, and controls, including end-to-end testing.</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>• Met 5/10</li> <li>• 13 attendees, 8 members, 5 guests</li> <li>• Had Quorum</li> <li>• Worked on draft and discussed best approach for future meetings.</li> </ul> <p>Next Meeting Requirements: [Room Size=20] [Projector=Yes][Telecom=Yes][Conflicts= ]</p>	<p>Nathan Wallace</p>
<p><b>S9</b></p>	<p><b>TF S9: Task Force on Utility IT-OT Cybersecurity challenges in roles and terminology</b></p> <p><b>PAR Approval:</b> N/A <b>PAR Expires:</b> N/A <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Theo Laughner <b>Vice-chair:</b> Brian Smith <b>Secretary:</b></p> <p><b>Scope:</b> Assess the IT-OT challenge in Utility Cybersecurity roles. Create a report to assist in building organizational understanding and collaboration</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>•Attendance taken and quorum achieved (4 members present of the 6 total members, with 26 attendees)</li> <li>•Previous Draft minutes approved</li> <li>•Reviewed and resolved Utility IT and OT Cybersecurity and Terminology Draft comments from previous SO review</li> </ul> <p>Next Steps</p> <ol style="list-style-type: none"> <li>1.Schedule webinar in June/July to resolve comments</li> <li>2.Re-submit draft report, Fall 2023 to S0 for review/approval</li> </ol> <p>Next Meeting Requirements: [Room Size=30] [Projector=Yes][Telecom=Yes][Conflicts= S7, S8, H40, PC37.111]</p>	<p>Theo Laughner</p>

Item no.	Notes	Action by
<p><b>S10</b></p>	<p><b>TF S10: Utility &amp; Municipality Challenges on Analyzing and Implementing Cybersecurity Standards and Best Practices</b></p> <p><b>PAR Approval:</b> N/A <b>PAR Expires:</b> N/A <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Jeff Pack <b>Vice-chair:</b> Justin Turner <b>Secretary:</b></p> <p><b>Scope:</b> Assess the challenge in utilities &amp; municipalities with limited resources on the applicability and relevance of the cybersecurity standards and create a report to assist summarizing the relevant cybersecurity standards.</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>• Meeting started on time at 2:23 P.M. PDT with approximately 16 attendees based on the room attendance list and the WebEx participant list. A full attendee list will be included in the minutes once the WebEx attendance report is provided.</li> <li>• Six members were in attendance, so quorum was achieved.</li> <li>• January 2023 minutes were reviewed and approved.</li> <li>• Reviewed the assignment for S10.</li> <li>• Reviewed status of the draft report and requested some reviews from the members so the draft could be submitted to S0 for approval.</li> <li>• The chair will schedule at least one working session to facilitate the review.</li> <li>• The chair will upload the draft to iMeet Central and make sure that all contributors have access to review and comment.</li> <li>• Meeting was adjourned at 2:40 P.M. PDT.</li> </ul> <p>Actions:</p> <ul style="list-style-type: none"> <li>• Schedule working sessions to review and update draft.</li> </ul> <p>Next Meeting Requirements: [Room Size=40] [Projector=Yes][Telecom=No] [Conflicts=HTF55]</p>	<p>Jeff Pack</p>

Item no.	Notes	Action by
<p><b>S11</b></p>	<p><b><u>S11: Task Force on Roadmap Development for S0</u></b></p> <p><b>PAR Approval:</b> N/A <b>PAR Expires:</b> N/A <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Dan Goodlett &amp; Larry Collier <b>Vice-chair:</b> ?? <b>Secretary:</b></p> <p><b>Scope:</b> Address recent publications and activities impacting the scope of S0 as identified by the Task Force.</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>• Introductions</li> <li>• Discussion of S11 mission (S0 Roadmap) and subsequent motion to restart the TF</li> <li>• Participants asked to review the NERC &amp; IEEE joint technical report - TR105 for the purposes of identifying future work items for the roadmap (link)</li> <li>• S11 may utilize a survey for S0 roadmap work item determination similar to previous methodology of the S11 TF</li> <li>• iMeet access is needed by the new TF chairs (Dan Goodlett / Larry Collier), chair training information is needed as well –Chairs will need assistance with these items                         <ul style="list-style-type: none"> <li>○ Once iMeet access is obtained we will upload the meeting minutes (basically these bullet points)</li> </ul> </li> <li>• Member planet go live is scheduled for September timeframe and TF11 members will be signed up then</li> </ul> <p>Next Meeting Requirements: [Room Size=40] [Projector=Yes][Telecom=No] [Conflicts=]</p>	<p>Dan Goodlett</p>
<p><b>S12</b></p>	<p>Inactive</p>	
<p><b>S13</b></p>	<p><b><u>WG S13: Review 1547.3 Guide for Cybersecurity of DERs Interface with Electric Power Systems</u></b></p> <p><b>PAR Approval:</b> yyyy/mm/dd <b>PAR Expires:</b> yyyy/mm/dd <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Tony Johnson <b>Vice-chair:</b> R. Benjamin Kazimier <b>Secretary:</b></p> <p><b>Scope:</b> To jointly develop 1547.3 with SCC21.</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>• Balloting complete. Standard submitted to RevCom</li> <li>• Expect to go inactive once standard is published</li> </ul>	<p>Tony Johnson</p>

Item no.	Notes	Action by
<b>S14</b>	<p><b>TF S14: Task Force on using TLS in Power System Applications</b></p> <p><b>PAR Approval:</b> N/A <b>PAR Expires:</b> N/A <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Colin Gordon <b>Vice-chair:</b> Shashi Sastry <b>Secretary:</b></p> <p><b>Scope:</b> Develop a report on the implementation of TLS for usage in legacy (e.g., SCADA) and emerging (e.g., DER) power system applications</p> <p><b>Status:</b></p> <ul style="list-style-type: none"><li>• Members – 4 out of 9 – no quorum<ul style="list-style-type: none"><li>- Could not approve prior meeting minutes due to lack of quorum.</li><li>- Colin Gordon and Shashi Sastry resign their chair and co-chair positions (respectively) due to lack of time to assist with the effort.</li><li>- Colin lead a call for volunteers to chair the TF. No person volunteered.</li><li>- Colin will send an email to canvass for volunteers.</li><li>- Herb Falk brought up a potential ambiguity with the use of OCSP in energy systems. Herb mentioned that he would send some information about the issue after the meeting.</li><li>- Open discussion.</li></ul></li><li>• Meeting adjourned</li></ul> <p><b>Task Force will go inactive if a chair is not identified by mid-summer!</b></p> <p>Next Meeting Requirements: [Room Size=30] [Projector=Yes][Telecom=Yes][Conflicts=]</p>	Colin Gordon

Item no.	Notes	Action by
S15	<p><b>WG S15: IEEE Guide for Securing Generic Object Oriented System Events (GOOSE) and Sampled Values (SV) Protocols of IEC 61850 using IEC 62351-6 and IEC 62351-9</b></p> <p><b>PAR Approval:</b> yyyy/mm/dd <b>PAR Expires:</b> yyyy/mm/dd <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Jay Anderson <b>Vice-chair:</b> Shane Haveron <b>Secretary:</b> Dean Ouellette</p> <p><b>Scope:</b> This guide provides information for suppliers and implementors on applying security from the most recently published versions of IEC 62351-6 and IEC 62351-9 to GOOSE (IEC 61850-8-1), R-GOOSE (IEC 61850-8-1), SV (IEC 61869-9), or R-SV (IEC 61850-9-2) protocols.</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>• The meeting was called to order at about 3:45pm PDT following some computer set-up time.</li> <li>• Patent slides, copyright slides, and behavior slides were displayed.</li> <li>• Since quorum was not achieved, the minutes from the 1/10/23 and 2/21/23 meetings (and this meeting) will be circulated for approval via email.</li> <li>• No writing assignments were received. Members were reminded about earlier voluntary commitments.</li> <li>• previously-discussed use cases were briefly reviewed (R-GOOSE, R-SV, DSM, Load Control, Inter-site communications, etc.).</li> <li>• A member discussed performance criteria and whether applications may require authentication or authentication and encryption.</li> <li>• In the context of -6 and -9 implications, a few considerations for VPN vs routed signals and the uses of secure routable and non-routable protocols were discussed for use cases.</li> <li>• Acceptance of these security models:             <ul style="list-style-type: none"> <li>○ Availability of products</li> <li>○ Penetration of this technology into real-world installations</li> <li>○ IT policies and attitude to “flattening” the network</li> </ul> </li> <li>• The Chair noted that he requested copies of IEC 62351-1 and -2 for reference from the IEEE-SA. We learned that the process for obtaining IEC references is being revised and we will have to wait for a while.</li> <li>• The Chair reviewed the Purpose clause from the S15 PAR and suggested that we use it to provide more targeted guidance for drafting the Document. The PAR purpose section calls for providing guidance on how to configure the optional (and mandatory) items in the 62351-6 and -9 PICS tables.             <ul style="list-style-type: none"> <li>○ The 62351-6 PICS tables were displayed.</li> <li>○ This includes what types of applications require authentication, encryption, and/or state machines. The chair noted that state machines could provide detection of issues beyond intentional threats, including out-of-sequence errors due to network issues.</li> <li>○ The 62351-6 PICS also include mandatory and optional choices for authentication hash and confidentiality algorithms; the user may need to choose the most efficient and effective algorithms depending on applications, key delivery mechanisms, etc.</li> <li>○ The 62351-9 PICS were not discussed at this meeting.</li> </ul> </li> <li>• Herb Falk mentioned that the AES-GMAC and AES-GCM algorithms may require fewer CPU resources than other algorithms; he will try to provide further information.</li> <li>• Herb also mentioned that there is a 62351 Tissue for the state machine described in the 2020 edition of 62351-6 and that he has proposed a fix.</li> </ul>	Jay Anderson



Item no.	Notes	Action by
<p><b>S15 (Continued)</b></p>	<ul style="list-style-type: none"> <li>• Scott Mix suggested including an annex describing the performance implications of what choices were made during configuration. Scott will try to distil this into a statement.                             <ul style="list-style-type: none"> <li>○ Practical trade-offs between security and performance</li> </ul> </li> <li>• The Chair requested that any suggestions, writing assignments, etc. be sent to the officers; or members can post them to the iMeet site.</li> <li>• The meeting was adjourned by the Chair at 4:53pm PDT in overtime.</li> </ul>	
<p><b>S16</b></p>	<p><b>TF S16: Task Force on Systems for Detecting and Preventing Network Intrusions in Electric Power Systems</b></p> <p><b>PAR Approval:</b> N/A <b>PAR Expires:</b> N/A <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Eugenio Carvalheira <b>Vice-chair:</b> Eric Thibodeau <b>Secretary:</b></p> <p><b>Scope:</b> This task force will be investigating the current state of the art for network Intrusion Detection Systems (IDS) and Intrusion Prevention Systems (IPS) used in Electric Power Systems (EPS). The report from the task force will have to document the different existing methods to perform detections. These include, but are not limited to, monitoring the associations between transmitters and receivers on the network, detailing the types of protocols used, recognizing signatures inside data packets, comparison to a baseline of existing traffic, etc. For prevention purposes, the task force should focus on active systems that can shut down a network intrusion under way. This excludes already well covered countermeasures like IED hardening, firewalls, network diodes, etc.</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>• Attendance taken and quorum achieved (4 members present of the 6 total members, with 26 attendees)</li> <li>• Previous Draft minutes approved</li> <li>• Reviewed and resolved Utility IT and OT Cybersecurity and Terminology Draft comments from previous SO review</li> <li>• Next Steps</li> <li>• Schedule webinar in June/July to resolve comments</li> <li>• Re-submit draft report, Fall 2023 to SO for review/approval</li> </ul> <p>Next Meeting Requirements: [Room Size=20]                      [Projector=Yes][Telecom=Yes][Conflicts=]</p>	<p>Eric Thibodeau</p>

Item no.	Notes	Action by
<p><b>S17</b></p>	<p><b><u>TF S17: Task Force on Use of SBOM in the Energy Sector</u></b></p> <p><b>PAR Approval:</b> N/A <b>PAR Expires:</b> N/A <b>Target Completion:</b> yyyy/mm/dd <b>Draft:</b> xxxx</p> <p><b>Chair:</b> Éric Thibodeau <b>Vice-chair:</b> Marc Lacroix <b>Secretary:</b></p> <p><b>Scope:</b> Investigate Use cases for SBOM; Survey of SBOM initiatives; Survey of tools; Applicability of these initiatives to the energy sector; Recommendations</p> <p><b>Status:</b></p> <ul style="list-style-type: none"> <li>• S17 met on Tuesday at 1:00 PM EST.</li> <li>• 6 members out of 7 attended, quorum was met.</li> <li>• I47 officers introduced their working group to revise IEEE C37.231. It was concluding that I47 could use our output at some point in the future, but probably not in this revision.</li> <li>• An outline for the draft was prepared during the meeting, with members volunteering to undertake writing assignments.</li> </ul> <p>Next Meeting Requirements: [Room Size=25] [Projector=Yes][Telecom=Yes][Conflicts=I47]</p>	<p>Eric Thibodeau</p>
<p><b>Unfinished Business</b></p>	<p>Request volunteer to serve as S0 representative for the PSCCC Awards Task Force (A1)</p>	<p>Scott Mix.</p>
<p><b>New Business</b></p>	<p>S2 requests to proceed to ballot with P1711.1 Serial SCADA Protection Protocol (SSPP) Draft 09</p>	<p>Motion – Ed Cenzone Second – Craig Preuss Motion Carried</p>
	<p>S7 requests a 4 year PAR extension for IEEE Std P2808 Cyber Services and Cybersecurity Function Designations</p> <p>Discussion – Needs to be presented to Main committee for approval.</p>	<p>Motion – Nathan Wallace Second – Tony Johnson Motion Carried</p>
	<p>Floor Motion to move S5 to inactive status pending output of ISA99 WG14 work</p> <p>Discussion – Existing standard will expire, Herb Faulk will provide liaison reports.</p>	<p>Motion – James Formea, Second Eric Thibodeau Motion Carried</p>
	<p>Request from PSRC HTF55 for informational review of a survey: Assignment - Investigate Distributed Cyber Physical Assessment for Grid Resilience and evaluate participation with other technical committees, societies, groups, and associations that may have interest.</p> <p>Actions:</p> <ol style="list-style-type: none"> <li>i. Presentation to H subcommittee for approval (later today)</li> <li>ii. Submit to PSCCC S0 for comments – comments returned by ??</li> <li>iii. Review comments and incorporate changes</li> </ol>	<p>Motion - Jeff Pack, Second Craig Preuss Motion Carried</p>

Item no.	Notes	Action by
	<p>Co-Sponsorship PAR request from PSRC I47 – Pending approval by PSRC I SC</p> <p>Discussion – Concerns about the need for a dedicated WG for transmitting signed data were raised. This may also be addressed as part of 1688 which may eliminate the need for this WG/TF. IEC also has a working group to address this.</p> <p>Motion to Call the Question by Craig Preuss, Second by Eric Thibodeau. Motion Passed.</p> <p>TF19 will be created.</p>	<p>Motion – Eric Thibodeau Second – Craig Preuss</p> <p>Motion Carried. 8 Yea, 1 Nay, 7 abstain.</p>
	<p>1815 request for SAV6 and AMP review – new TF</p> <p>Discussion – Andrew West volunteered to chair the TF. Andrew suggested adding the AMP section the scope of the review.</p>	<p>Motion – Nathan Wallace, Second – Herb Fault, Motion Carried.</p>
<p><b>Announcements</b></p>	<ul style="list-style-type: none"> <li>a. Roster Cleanup for non-participating members (notice must be provided to non-participating members well ahead of removing them).</li> <li>b. 123Signup Retirement and Replacement– hope to roll out sometime this decade</li> <li>c. Chairs must provide full meeting minutes within 2 weeks (by 05/26/2023).</li> <li>d. Meeting Minutes (draft .doc and approved .pdf) must be uploaded by WG/TF officers to the PSCC Committee iMeet site in addition to individual SG/WG/TF sites.</li> <li>i. Draft and approved minutes must also be uploaded to WG/TF/SG iMeet site</li> <li>ii. Minutes may also be emailed to guests</li> <li>e. Meeting notice and WG/TF/SG agenda to be sent to sub-group members and S0 Chair two weeks prior to any meeting.</li> <li>f. Newly formed WG and TF (i.e., those migrated from SG) should issue a call for participation and establish a roster by the conclusion of their next meeting.</li> <li>g. All sub-groups are expected to have Vice Chairs. Secretaries are optional (Vice Chair assumes role of Secretary if none).</li> <li>h. Working Group chairs (standards activity) are now REQUIRED to take IEEE SA training. Training must be completed by the end of the year.</li> <li>i. Understanding IEEE SA's Antitrust, Competition, and Commercial Terms Policies</li> <li>ii. Data Privacy Awareness for IEEE SA Activities</li> <li>iii. IEEE SA Standards Working Group Chair Fundamentals (multi-hour course) – RECOMMENDED by IEEE SA, STRONGLY RECOMMENDED by PSCCC and S0 leadership</li> <li>i. New Participant Behavior slides to be shown at all WG meetings have been released by IEEE SA. PowerPoint versions are available on the PSRCC website - <a href="https://site.ieee.org/pes-pscc/files/2022/05/Participant-Behavior-Individual-method.ppt">https://site.ieee.org/pes-pscc/files/2022/05/Participant-Behavior-Individual-method.ppt</a></li> <li>j. Reminder: Task Forces also need to manage membership and have quorum to approve minutes, and at the completion of their task to approve the reports out of the TF to go to the subcommittee.</li> <li>k. If anyone has published a paper in an IEEE Transactions journal, let the chair know so that it can be considered for an award.</li> <li>l. New PES PowerPoint Template is available.</li> <li>m. PES Technical Report template available on PSCCC website.</li> <li>n. New Committee P&amp;P and Working Group P&amp;P; Committee O&amp;P under development</li> </ul>	<p>Scott Mix</p>

Item no.	Notes	Action by
<b>Roundtable</b>		
<b>Membership Activity</b>	No report.	Scott Mix
<b>TIME OF FINAL ADJOURNMENT</b>	4:08 PM	
<b>NEXT FACE TO FACE MEETINGS</b>	Myrtle Beach, SC week of September 18, 2023	
<b>FUTURE MEETING ROOM REQUIREMENTS</b>	30 People, Projector,	

