

PSCC Main Committee Meeting Minutes

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| Meeting Location: Garden Grove, CA/Microsoft Teams | Meeting Time: 11:00AM PT | Meeting Date: 2022/01/13 | Minutes Revised: -- | Minutes Approved: 2022/05/12 |
| Presiding Officer: Craig Preuss, Chair | | Recorded by: Marc Benou, Secretary | | |
| Attendance: | | | | |
| Name | | Affiliation | | Attending via Phone (P) / Web (W) or Local (L) M/CM/G |
| Craig Preuss | Black & Veatch | L | M | |
| James Formea | Eaton | L | M | |
| Marc Benou | Iniven | W | M | |
| Galina Antonova | Hitachi/ABB | W | M | |
| Tony Bell | Ametek | W | M | |
| James Bougie | GBT | W | M | |
| TW Cease | Consultant | L | M | |
| Mike Dood | SEL | W | M | |
| Ron Farquharson | Mount Victoria Consulting | W | M | |
| Ken Fodero | SEL | W | M | |
| Dennis Holstein | OCG | W | M | |
| Yi Hu | Quanta Technology | W | M | |
| Chris Huntley | SEL | W | M | |
| Anthony Johnson | SCE | W | M | |
| Delavar Khomarlou | Hydro One | W | M | |
| Marc Lacroix | EMCREY Canada | W | M | |
| Scott Mix | PNNL | W | M | |
| Hugo Monterrubio | Beckwith | W | M | |
| Dan Nordell | Xcel Energy | W | M | |
| Malcolm Swanson | Iniven | W | M | |
| Eric Thibodeau | Hydro Quebec | W | M | |
| Benton Vandiver | ABB | W | M | |
| Nathan Wallace | Ampirical | W | M | |
| Bill Byrd | Privacom Ventures | W | M | |
| Didier Giarratano | Schneider Electric | W | M | |
| Jay Anderson | ComEd | W | M | |
| Eric Udren | Quanta Technologies | W | M | |
| Dave McGuire | Hubbell - RFL | W | M | |
| Steve Klecker | MidAmerican Energy | W | M | |
| Taylor Raffield | Duke Energy | W | G | |
| Rossella Mariotti-Jones | BPA | W | G | |
| Craig Rieger | Salt River Project | W | G | |
| Thomas Rudolph | Schneider Electric | W | G | |
| Dean Ouellette | RTDS Technologies | W | G | |
| Chikashi Komatsu | Hitachi | W | G | |
| Shubhanker Garg | Westwood | W | G | |
| Mahendra Patel | EPRI | W | G | |
| Bill McCoy | | W | G | |
| Jay Herman | EPRI | W | G | |

Minutes of meeting (continued)

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| Chuck Newton | Newton-Evans Research Co | W | G |
| Jason Lombardo | S&C Electric | W | G |
| Rama Gokaraju | Univ of Saskatchewan | W | G |
| Shana Pepin | IEEE | W | G |
| Chad Bateman | Hubbell | W | G |
| Bruce Muschlitz | NovaTech | W | G |
| Aaron Martin | BPA | W | G |
| Ryan Newell | TRC | W | G |
| Carlos Aviz | Aviz Consulting | W | G |
| Addis Kifle | Georgia Transmission | W | G |
| Nicholas Kraemer | NuGrid Power Corp | W | G |
| Deepak Maragal | NYPA | W | G |
| David Dolezilek | SEL | W | G |
| Andres Alvarez | EPRI | W | G |
| Mital Kanabar | GE | W | G |
| Dan Baggett | AFL Global | W | G |
| Dan Sabin | Schneider Electric | W | G |
| Reza Khalghani | Florida Polytechnic Univ | W | G |
| Xiangyu Ding | S&C Electric | W | G |
| Brittany Chapman | CAI-Engineering | W | G |
| Byungtae Jang | Naver | W | G |
| Randy Brannen | Southern Company | W | G |
| Farnoosh Rahmatian | Nugrid Power | W | G |
| Daniel Sabin | Schneider Electric | W | G |
| Erin Morales | IEEE SA | W | G |
| Tom Hofstetter | NERC | W | G |
| Shashi Sastry | ABB | W | G |
| Madhab Paudel | Eaton | W | G |
| Gayle Nelms | SEL | W | G |
| Jeff Pack | Power Engineers | W | G |
| Shane Haveron | Ametek | W | G |
| Jeff Dagle | PNNL | W | G |
| Austin Wade | SEL | W | G |
| Rafael Garcia | Oncor Electric Delivery | W | G |
| Jalal Gohari | Parsons Brinckerhoff | W | G |
| Jim Michaelis | CAI | W | G |
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| CALL TO ORDER | Meeting called to order at 11:00AM Pacific time. The agenda was presented and Scott Mix made a motion to approve the agenda. The motion was seconded by Tony Johnson. | |
| ROLL CALL, INTRODUCTIONS, AND QUORUM DETERMINATION | The chair announced the addition of three new main committee members, Dave McGuire, Steve Klecker, and Jay Anderson. A quorum was present and determined by the Secretary counting the virtual attendance and at least three members in the room. | |
| APPROVAL OF PREVIOUS MINUTES | <p>The Special September meeting minutes were circulated by email. TW Cease found errors in the minutes. The second page was blank and needed to be deleted. Scott Mix asked that the highlights that were left in be removed. Mike Dood motioned that the minutes be approved with the changes. Scott Mix seconded the motion. The motion was approved by lack of objection</p> <p>The regular September meeting minutes were circulated by email. The chair asked that highlighted sections be removed and that Marc Lacroix’s member status and attendance status be filled in. Scott Mix motioned that the minutes be approved with the changes. Eric Udren seconded the motion. The motion was approved by lack of objection</p> | |
| UNFINISHED BUSINESS | No unfinished business was presented for consideration. | |
| CHAIR REPORT | <p>IEEE Digital Privacy Initiative (DPI)</p> <ul style="list-style-type: none"> • Resulting from a 2-day workshop sponsored by IEEE Future Directions Committee • Workshop facilitated discussion on the definition, scope, and common interests in the area of digital privacy for potential future IEEE collaboration • DPI members will be meeting monthly to put together a deliverables plan for 2022 • PSCCC representing PES, if interested in supporting contact the PSCCC chair (preusscm@bv.com) <p>Tech Council and EPM Process</p> <ul style="list-style-type: none"> • Tech council discussed what T&D Committee has learned in handling their 20 entity standards • Future meeting to review T&D process and provide recommendations for additions to our new P&P manual for repeatable process | |

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| <p>CHAIR REPORT (CONTINUED)</p> | <p>Annual Report to Tech Council</p> <ul style="list-style-type: none"> • Annual report due at the end of January, basis for award • Subcommittee chairs need to provide input by Jan 23 • Joint IEEE – NERC Technical Report • Integration of Cyber and Physical Security into Bulk Power System Planning, Operations, Design, and Restoration Activities • Work initiated in September 2020 after NERC and IEEE signed a Memorandum of Understanding (MOU) in October 2016 • Improved integration of cyber and physical security practices into conventional bulk power system (BPS) planning, operations, design, and system restoration activities • IEEE PES T&D Show Panel • IEEE PES General Meeting Panel <p>Satellite Committee</p> <ul style="list-style-type: none"> • Recorded presentation provided to IEEE PES PSCCC- CCSC Annual Conference • Conference postponed twice due to COVID <p>Committee P&P</p> <ul style="list-style-type: none"> • P&P expires this year • Work on P&P progressing • Goal – P&P vote at May Meeting • Next after that is working group P&P and committee O&P <p>Working Group Chair Training</p> <ul style="list-style-type: none"> • IEEE-SA announcing soon that working group chair training is mandatory for working group chair and subcommittee and main committee officers <p>New IEEE – CIGRE MOU</p> <ol style="list-style-type: none"> 1. Regular and timely information exchange between the organizations on subjects that both are actively studying is beneficial to both organizations to avoid unnecessary duplication of effort. 2. Joint development of engineering information on subjects of interest to both organizations, and the organization of joint technical activities such as workshops and conferences for areas of joint interest in order to improve the dissemination of information to the engineering community. 3. A target of one joint activity to investigate and report on a significant industry topic every two years and one joint major conference every four years. 4. To provide reciprocal promotional opportunities for events and offerings. <p>Meetings and PDH</p> <ul style="list-style-type: none"> • Tech Council may look at way of adding an “easy button” for participants to get PDH forms signed from memberplanet • Note also that PDH could be possible for <ul style="list-style-type: none"> – Technical paper review – Tutorial attendance – Subgroup meetings | |

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| <p>CHAIR REPORT (CONTINUED)</p> | <p>IEEE-NERC Task Force</p> <ul style="list-style-type: none"> • Joint IEEE – NERC Technical Report • Integration of Cyber and Physical Security into Bulk Power System Planning, Operations, Design, and Restoration Activities • Work initiated in September 2020 after NERC and IEEE signed a Memorandum of Understanding (MOU) in October 2016 • Improved integration of cyber and physical security practices into conventional bulk power system (BPS) planning, operations, design, and system restoration activities • IEEE PES T&D Show Panel • IEEE PES General Meeting Panel <p>IEEE PES PowerPoint Template</p> <ul style="list-style-type: none"> • Look for updated template being announced by PES soon • Should address issues with template file size and other issues <p>IEEE-SA Patent Slides</p> <ul style="list-style-type: none"> • Updated slides are available from https://standards.ieee.org/about/sasb/patcom/materials.html https://mentor.ieee.org/myproject/Public/mytools/mob/slideset.ppt https://mentor.ieee.org/myproject/Public/mytools/mob/slideset.pdf <p>Craig explained some of the logistics behind meeting costs and why remote attendance ends up costing the committee more than people attending in-person.</p> | |

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| SECRETARY REPORT | <p>The May 2022 PSRC/PSCC meeting will be held in Reno, NV. An in-person event will take place but it will most likely have a hybrid option for those who cannot attend. The September 2022 meeting will likely be in Orlando. The January 2023 JTCM meeting will be in Jacksonville, FL. The May 2023 meeting is scheduled to take place in Las Vegas, NV.</p> <p>Working Group Chair Training</p> <ul style="list-style-type: none"> • Working Group Chairs – IEEE has a free training course to teach you what you need to know to develop a Standard • This course is strongly recommended for all WG chairs • You can find the course by doing a search for: IEEE SA Standards Working Group Chair Fundamentals or using the link included in the minutes <p>PSCCC Administrative iMeet Site</p> <p>Sub-group Chairs</p> <ul style="list-style-type: none"> • Don't forget to upload your minutes • Non-approved minutes have their own folder <p>Move approved minutes to Approved minutes folder once approved – this will allow Nathan to know to post them on the website</p> <p>Sub-Group chairs were reminded to get a vice chair and possibly a secretary, if they don't have one.</p> <p>PSCCC Membership Report</p> <ul style="list-style-type: none"> • 39 MC Members, including our 3 new members • 4 Newcomers' Session attendees this week • Membership in Main Committee <ul style="list-style-type: none"> – Defined in O&P manual clause 1.2 <ul style="list-style-type: none"> • Subcommittee Officers • Working group Officers (voting) (for at least 2 years) • Liaison representatives (voting) • Emeritus members (non-voting) • General (voting) members as appointed <p>Attendees were reminded of the duties of PSCCC main committee members.</p> | |

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| <p>VICE CHAIR REPORT</p> | <p>The vice chair announced that 123 Signup is officially shut down and it will be replaced by memberplanet.</p> <ul style="list-style-type: none"> • 123Signup is shut down for PSRC/PSCCC • Ad-hoc committee of PES Tech Council is consulting with memberplanet staff to: <ul style="list-style-type: none"> – Build out IEEE PES TC Hierarchy / Org Structure – Migrate available data from 123Signup – Develop/execute plan to manage participants with multiple existing 123Signup accounts <p>We are hoping to have system available for use around the time of the May 2022 meeting.</p> <p>Potential TCPC Changes</p> <ul style="list-style-type: none"> • TCPC responsibilities currently assigned to the Vice-Chair per our manuals • Officers are considering making the TCPC position a separate position similar to Standards Coordinator • Opportunity for someone with a passion for reading/reviewing technical papers <ul style="list-style-type: none"> – Recruit/manage reviewers, coordinate reviews for GM and T&D, submit panel sessions, participate in Technical Program planning meetings • Seeking feedback and interested PSCCC members (or aspiring MC members) <p>PAC World PSCCC Updates</p> <ul style="list-style-type: none"> • PSCCC continues to have opportunities to publicize new projects and ongoing developments in each issue of PAC World magazine (thanks, Alex!) • If you have projects or topics that might make for an interesting article, please contact James Formea • Subcommittee chairs are asked to consider sending a few distilled highlights for a PAC World summary following each major meeting (Jan/May/Sept) | |
| <p>STANDARD COORDINATOR REPORT</p> | <p>An update to the revision to existing standards completed, standards due for 10 year review, standards/projects currently in balloting (Sponsor Ballot, Comment Resolution, Recirculation), and PARS expiring at the end of 2022 or 2023 was given.</p> <p>Deadlines for submittal to RevCom or NesCom</p> <ul style="list-style-type: none"> • 24 Jan 2022 NesCom Meeting • 25 Jan 2022 RevCom Meeting • 06 Feb 2022 RevCom Submission Deadline • 11 Feb 2022 NesCom Submission Deadline <p>The methodology of PAR extension was discussed.</p> <p>This is the last meeting that Ed Cenzone will be Standards Coordinator. Mike Dood will be taking over the position. The chair recognized the work that Ed performed and welcomed Mike as the new Standards Coordinator.</p> | |

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| <p>TCPC REPORT</p> | <p>IEEE T&D Conference & Expo 2022</p> <ul style="list-style-type: none"> • 2022 PES T&D Conference & Expo is scheduled for April 25-28, 2022 in New Orleans • Three tutorials submitted by PSCCC – still awaiting confirmation of acceptance <ul style="list-style-type: none"> – “DNP3: SCADA, Clear and Simple” for T&D 2022 – “DNP3 Next Generation Security – an Overview” for T&D 2022 – “Cybersecurity-Focused Verification and Validation: A Streamlined Approach” <p>IEEE PES GM, 2022 July 17-21, 2022 – Denver, CO</p> <ul style="list-style-type: none"> • 2022 Supersession Topics: <ul style="list-style-type: none"> – Extreme Events and Their Impact on Power Systems – Energy Sustainability – Artificial Intelligence in Power Systems – Impact of Power Electronics on Electrical Infrastructure • 25 conference papers submitted to PSCCC – will be accepting 12 per quota • 9 transactions papers submitted (no review required, all accepted) • PSCCC sponsoring 1 panel session <ul style="list-style-type: none"> – <i>Update from the IEEE – NERC Task Force Developing a Technical Report on the Integration of Cyber and Physical Security into Bulk Power System Planning, Operations, Design, and Restoration Activities</i> • Will be turning back 10 hours of panel session time to the pool if no additional ideas are submitted to me by EOD tomorrow, Friday, January 14 • 25 conference papers... <ul style="list-style-type: none"> – Email request for reviewers went to all Main Committee members – <u>2</u> responses received – 8 MC members registered in MIRA – 2 "known" non-MC members in MIRA – All reviews were split between 10 reviewers • Paper review is a duty of MC members <ul style="list-style-type: none"> – <i>"Review technical papers as assigned by the Vice-Chair of the Sponsor"</i> <p>IEEE PES GM 2023, July 16 – 20, 2023 – Orlando, FL</p> <ul style="list-style-type: none"> • Soliciting ideas for Super Session topics... | |
| <p>SUBCOMMITTEE REPORTS: F0</p> | <p>Del gave the F0 report early. See the F0 report below in SC reports</p> | |

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| <p>A0 TASK FORCE REPORTS</p> | <p>Nathan Wallace gave the website and marketing report. The website is still being worked on. Nathan reminded subgroups to update their minutes in iMeet when approved so that he can know when to post them on the website. Nathan believes we can utilize social media to promote the work of the PSCCC. He encourages participants to follow, tag, post, etc.... He reviewed our current presence on social media.</p> <p>Hugo Monterrubio gave an awards report. Rewards will be given out at the next in-person meeting at the Monday night reception, hopefully at the May 2022 Reno meeting.</p> <p>PSCC Pending Awards</p> <ul style="list-style-type: none"> • The Awards and Recognition working group continues to keep track of all PSCC completed work and of individual awards. • Our plan is to start delivering these awards during our next PSCC in-person meeting. • Please save the date for our PSCC/PSRC Awards Ceremony and Welcome Reception: <p>Monday May 9, 2022, in Reno, NV</p> <p>REMINDER</p> <p>Standards WG Awards/Certificates:</p> <p>The IEEE Standards Association Working Group Awards procedure to request certificates of appreciation for completed work (Completed = Approved Standard) has to be initiated online by the WG Chair or Vice Chair</p> <p>IEEE SA Awards website: http://standards.ieee.org/develop/awards/wgchair/wgawards.html</p> | |
| <p>SUBCOMMITTEE REPORTS: C0</p> | <p>Craig Palmer gave the C0 report.</p> <ul style="list-style-type: none"> • Highlights- current and recent activity <ul style="list-style-type: none"> - PC93.5 – Standard for Power Line Carrier Transmitters/Receivers used to Transfer Discrete Teleprotection Signals – Corrigendum 1 <ul style="list-style-type: none"> - Ballot body forming now to vote on approval of corrigendum 1. - C1 – Revision of IEEE-P643 – Guide for Power Line Carrier Applications <ul style="list-style-type: none"> - Work continues, updating and revising the guide - C2 – Study Group for IEEE C93.4 – Standard for Power Line Carrier Line-Tuning Equipment (30 kHz to 500 kHz) Associated with Power Transmission Lines <ul style="list-style-type: none"> - Work continues, updating and revising the guide <p>A motion was made to request to form a Working Group to revise and update C93.4-2012 – IEEE Standard for Power Line Carrier Line-Tuning Equipment (30 kHz to 500 kHz) Associated with Power Transmission Lines. See New business.</p> | |
| <p>SUBCOMMITTEE REPORTS: E0</p> | <p>John Fuller retired and was not able to be reached to give a report. We were able to get a current email address after the meeting and John will be continuing to be the chair of E0.</p> | |

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| <p>SUBCOMMITTEE REPORTS: F0</p> | <p>Del Khomarlou gave the F0 report.</p> <p>Major Accomplishment: Congratulations: Publication of IEEE 1138 - November 2021</p> <p>Completion of the standard: IEEE 1595 OPPC standard for publication in Q1 2022. Comments were minimal, first balloting was successful and re-circulation nearly complete.</p> <p>IEEE 1595 PAR extension has been approved to December 2022.</p> <p>OPPC attachment hardware standard: 1591.4 PAR is valid until 2023.</p> <p>Provide a recommendation to T&D IEEE 524 group on sheave and bull wheel sizes for installation of aerial fiber optic cables (OPGW, ADSS, helically Wrapped and OPPC). Final product must be acceptable to manufacturers as well as end users and installation service providers. Finalize Denise Frey recommendation post September 2021 meeting in this meeting.</p> <p>Harmonization of all 1591.x standards in 1591.x ad-hoc task force.</p> <p>IEEE 1591.1 OPGW hardware PAR expires in Dec 2022. Aim is to publish in 2022. Agree upon new business/standards. Splice/Joint box (there is an IEC standard, study on aerial fiber cable End of Life (EOL), ...</p> <p>Liaison closely with IEC. Liaison closely with PSCCC-E0 Wireline subcommittee.</p> <p>IEEE D2 525: Cables in Power stations. New response to 525 comment resolution provided and will be discussed in January 2022 D2 525 meeting. Chair will attend.</p> <p>Liaison with IEEE 524. PSCCC-F0 to provide recommendation on Sheave sizes and cable installation practices for overhead fiber optic cables.</p> | |
| <p>SUBCOMMITTEE REPORTS: P0</p> | <p>Benton Vandiver gave the P0 report.</p> <p>A motion was made to Develop an IEEE Standard for Universal Utility Data Exchange (UUDEX). See New business.</p> <p>P0 had a presentation on SCC21 - P1547 revision PAR and a new PAR for P1547.10 (DER Gateway) during their SC meeting. The SC voted to create a liaison. A motion was made to appoint a liaison(s) to SCC21 for the P1547 revision and new PAR 1547.10 to coordinate PSCCC co-sponsorship. See new business.</p> | |

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| <p>SUBCOMMITTEE REPORTS (CONTINUED) S0</p> | <p>Scott Mix gave the S0 report. Working Group Reports: S1 (1686) met with quorum – resolving comments – expect to go to recirculation ballot before or by May meeting. PAR expires in December S2 (1711/1711.1) met with quorum and discussed drafts. PARs expire in 2022 and 2023. Request vice-chair volunteer S5 (C37.240) met without quorum – Leadership change due to Steve Kunsman resignation – seeking volunteer for chair/vice-chair. DOE announcement may impact work. Meetings to discuss impacts before May meeting. S7 (2808) met with quorum. PAR scope update to clarify that documentation using developed cybersecurity designations is in scope. Bi-weekly meetings scheduled to continue progress before May. S8 (2658) met without quorum. Discussed outline. Bi-weekly meetings scheduled to continue progress before May. PAR expires 2022. S9 (Utility IT-OT Cybersecurity Challenges) met without quorum. Document is nearing completion, and is expected to be presented to S0 for approval at May meeting (actual approval will occur after May) S10 (Utility & Municipality Challenges) met without quorum. Discussed draft. Requesting permission to obtain copy of IEEE 7005 for review and discussion in document. Working sessions scheduled before May meeting. S13 (1711.3) did not meet – Standard is in balloting process S14 (TLS) met. Early draft document discussed. Meetings will be held to continue progress before May. S15 (Securing GOOSE...) met without quorum. Discussed document., Meeting planned for February to continue development. S16 (IDS/IPS) First meeting. Started drafting report outline</p> | |
| <p>LIASON REPORTS: IEEE P1952 WG</p> | <p>Ken Fodero gave the IEEE P1952 WG -Liaison Report. Standard for Resilient Positioning, Navigation and Timing (PNT) End-User Equipment PAR was submitted through DHS. The meeting schedule has been aggressive. They have been meeting bi-weekly since November with between 50 and 70 attendees/members. Their membership has many industries represented. Their goal is to set resiliency levels. They are setting up subgroups. Ken is representing us in the energy and communications SG.</p> | |

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| <p>LIASON REPORTS: CIGRE D2</p> | <p>Dennis Holstein gave the CIGRE D2 report.</p> <p>1 - Cigre Paris FR meeting The semi-annual meeting of cigre study committees is scheduled for the last week of August 2022 in Paris FR. Depending on travel restrictions this may be another hybrid meeting combining on-site and virtual facilities. A status update will be provided at the PSCC meeting in May 2022.</p> <p>2 - Project D2.43 – Enabling software defined networking for electric Power Utilities Working group D2.43 has completed the final draft of their technical brochure. This technical brochure provides an overview of Software Defined Networking (SDN) in the context of applications for power utilities. The core concepts of SDN includes Network Function Virtualisation (NFV) - where network functions such as routers and firewalls are virtualised. In this technical brochure, the working group described some SDN and NFV use cases in the context of the utility's OT environments; namely substation virtualisation, the OT network digital twin, micro-segmentation, which is a cybersecurity use case, OT cloud service integration, IEC 61850 configuration and SD-WAN. The technical brochure should be published by mid-year 2022 and should be available to PSCC working groups under the IEEE/CIGRE memorandum of understanding.</p> <p>3 - Project D2.54 - Regulatory approaches to enhance EPU’s cybersecurity Working group D2.54 is structured to identify applicable standards, guidelines, and reports that address regulatory approaches to enhance utilities cybersecurity frameworks. A global survey is planned to solicit recommendation on utility preferences and to better understand their needs for improved regulatory guidance. WG D2.54 is conducting an aggressive outreach program to involve subject matter experts with strong experience in regulatory issues. Those interested should contact Dennis Holstein (holsteindk@ocg2u.com), WG D2.54 Convenor.</p> <p>4 - Project B5 – Green Book CIGRE B5 is in the final stages of completing their Green Book focused on the recent work and lessons learned on the development and use of emerging protection, automation, and control solutions. Chapter 6 is an extensive discussion on cybersecurity issues and solutions. The Green Book should be available about mid-to-late 2022.</p> | |

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| <p>LIASON REPORTS: IEEE-SA REPORT</p> | <p>Erin Morales gave an IEEE SA report.</p> <p>IEEE SA contributors' collection overview</p> <p>IEEE SA Contributor Collection is a free, publicly accessible platform dedicated to publishing the documents contributed by participants during the development of IEEE standards.</p> <ul style="list-style-type: none"> • Contributions may be different types of documents ranging from pure research to technical analysis, complete technical specifications and use cases. • These Contributions may or may not be directly implemented or referenced in the final standard. • Contributions should be previously submitted to a Standards Project, or will be submitted to a Standards Project when uploaded to the Contributors Collection. • The contribution submitted will be discoverable, accessible and searchable via the Contributors Collection. • The Contributor will be provided with a referenceable, permanent link that points to your contribution. <p>Any IEEE SA Working Group participant who wants to provide a referenceable document that is available to the general public may upload documents to the platform.</p> <ul style="list-style-type: none"> • Submitted documents must be created by the contributor, cannot contain material taken from or owned by another source unless documented permission is provided to IEEE SA that permits publication under the selected Creative Commons license • The documents are vetted for plagiarism and appropriateness prior to acceptance on the platform. <p>There are four types of Creative Commons (CC) licenses that contributors can select as part of their submission</p> <ul style="list-style-type: none"> • CC BY 4.0 (Attribution only) allows others to copy, reuse, adapt, and build upon your work, including for commercial purposes, as long as the content is attributed to you. • CC BY-SA 4.0 (Attribution-ShareAlike) allows others to copy, reuse, adapt, and build upon your work, including for commercial purposes, as long as the content is attributed to you and the adapted work is distributed under the same license as the original. • CC BY-NC-SA 4.0 (Attribution-Noncommercial-ShareAlike) allows others to copy, reuse, adapt, and build upon your work for non-commercial purposes, as long as the content is attributed to you and the adapted work is distributed under the same license as the original. • CC0 1.0 (Public Domain Dedication) allows others to copy, reuse, adapt, and build upon your work for any purpose without attribution; all your rights in the work are waived and the work is dedicated to the public domain. | |
| <p>LIASON REPORTS: IEEE PES - REPORT</p> | <p>Shana Pepin prepared a report but was unable to present it before she had to leave.</p> <p>She wanted to make sure that everyone was aware of the resources available on the IEEE website. The link is https://www.ieee-pes.org/technical-activities/committees/resources</p> | |

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| LIASON REPORTS: iGET (INTELLIGENT GRID AND EMERGING TECHNOLOGIES) - REPORT | Theo Laughner prepared a report was unable to attend the meeting. IGET has not maintained an Organization and Procedures manual to guide the committee, so that will be the next step in getting IGET going again. The officers will begin working on an initial draft soon. We would be happy to welcome new members. Anyone interested can reach out to our Secretary, Daniel Molzahn, at molzahn@gatech.edu | |

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| <p>NEW BUSINESS (MOTIONS)</p> | <p>Request: To form a Working Group to revise and update C93.4-2012 - IEEE Standard for Power Line Carrier Line-Tuning Equipment (30 kHz to 500 kHz) Associated with Power Transmission Lines. WG Output: An updated version of C93.4 WG Assignment: Revise and update C93.4-2012 Need for the Project: The standard will expire in 2022. Scope: This standard applies to power line carrier (PLC) line-tuning equipment connected between the coupling capacitors and PLC transmitter/receiver terminals operating in the frequency range of 30 kHz to 500 kHz over power transmission lines and cables or to similar line-tuning equipment in a carrier bypass. PLC line tuning equipment includes assemblies and components: tuning inductor, impedance matching transformer, balancing transformer, tuning capacitor, inductance-capacitance (LC) tuning unit, hybrid, filter, protective unit, interconnecting cables, and enclosure. This standard describes the normal and usual operating conditions for line-tuning equipment. This standard will develop technical definitions, performance ratings, testing methods, and manufacturing requirements for the included line-tuning equipment. Purpose: This standard is vital to the application of PLC systems (30 kHz to 500 kHz) on all transmission lines. PLC systems are used for protection systems and other communications. The line tuner is the part of the system that allows the carrier signal to reach the power line with the minimum of loss. Requirements will be established so that the types of tuners and their interaction with the power system are known and performance can be predicted. Motion: Craig Palmer Second: Tony Bell There was no opposition, and the motion was approved.</p> <p>Request: The P0 Subcommittee motions to Develop an IEEE Standard for Universal Utility Data Exchange (UUDEX) P19SG - Study Group for Universal Utility Data Exchange (UUDEX) - has completed its work and has developed suitable PAR language. P0 SC has reviewed and approved this work. Proposed Title: IEEE Standard for Universal Utility Data Exchange (UUDEX) Output: IEEE Standard Project Number: PC37.### (May be TBD if not assigned yet) WG Assignment: Develop Standard C37.###, for Universal Utility Data Exchange (UUDEX) Proposed Scope: The Universal Utility Data Exchange (UUDEX) standard defines a flexible and secure methodology and protocol for the exchange of information between electric utility control centers and with other non-utility organizations that communicate with control centers such as public safety answering points and government agencies. The standard includes both the workflow and recommended information exchange descriptions to support interoperability. Proposed Purpose: The purpose of the proposed work is to provide a flexible, model-based communication specification that can be adapted to facilitate the exchange of data between electric utility control centers and other control center-like sites such as public safety answering points and government agencies. Chair: Scott Mix VC: James Michaelis Motion: Benton Vandiver Second: Scott Mix Craig Preuss recommended using the 230 naming family instead of 37 There was no opposition, and the motion was approved.</p> | |
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| Item no. | Notes | Action by |
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| <p>NEW BUSINESS (MOTIONS) (CONTINUED)</p> | <p>Request: The P0 Subcommittee motions to appoint a liaison(s) to SCC21 for the P1547 revision and new PAR 1547.10 to coordinate PSCCC co-sponsorship. Need: Due to the interest of P0 SC in the SCC21-P1547 revision PAR and a new PAR for P1547.10 (DER Gateway); the SC voted to recommend the MC to appoint a liaison to the SCC21 for these two PAR activities. Motion: Benton Vandiver Second: Jay Anderson After some discussion about the validity of selecting a liaison, including the possibility of standing up a WG at a later time, a vote was takes. There was one opposing vote (Jim Bougie) but the motion was approved.</p> | |
| <p>NEW BUSINESS</p> | <p>PSCCC Historian</p> <ul style="list-style-type: none"> • Should the PSCCC add to its O&P a position of historian? • Common in other committees • Responsibilities would be to maintain a historical perspective of the committee • Would need to consider including past history of PSC and PES reorganization <p>James Formea made a motion that A0 add the position of Historian with a service term deemed appropriate by the writers of the manual. The motion was seconded by Dan Nordell. There was no opposition, and the motion was approved.</p> | |
| <p>PAST-CHAIR COMMENTS</p> | | |
| <p>CLOSING COMMENTS</p> | | |
| <p>TIME OF FINAL ADJOURNMENT</p> | <p>Meeting adjourned at 1:12PM Pacific Time.</p> | |
| <p>FUTURE MEETING ROOM REQUIREMENTS</p> | <p>The September meeting will most likely be in Orlando, FL.</p> | |