

## PSCC Main Committee Meeting Minutes

Meeting Location: Garden Grove, CA and WebEx	Meeting Time: 11:00 AM	Meeting Date: 2019/01/17	Minutes Revised:	Minutes Approved: 2019/05/09
Presiding Officer: Ken Fodero, Chair		Recorded by: James Formea, Secretary		
Attendance:				
Name		Affiliation		Attending via Phone (P) / Web (W) or Local (L) M/CM/G
Ken Fodero	SEL	L	M	
Craig Preuss	Blackand Veatch	L	M	
James Formea	Eaton	L	M	
Galina Antenova	ABB	L	M	
Tony Bell	Ametek	L	M	
Marc Benou	Iniven	L	M	
TW Cease	Consultant	L	M	
Bill Dickerson	Arbiter Systems	L	M	
Mike Dood	SEL	L	M	
John Fuller	AT&T Services	W	M	
Didier Giarratano	Schneider Electric	L	M	
Yi Hu	Quanta Technology	L	M	
Chris Huntley	SEL	L	M	
Anthony Johnson	Southern California Edison	L	M	
Ken Martin	EPG	L	M	
Scott Mix	PNNL	L	M	
Craig Palmer	Hubbell-RFL	L	M	
Roger Ray	PowerComm Solutions	L	M	
Eric Thibodeau	Gentec	L	M	
Eric Udren	Quanta Technology	L	M	
Benton Vandiver	ABB	L	M	
Jay Anderson	ComEd-Exelon	L	G	
Tom Dahlin	SEL	L	G	
Ray Fella	PowerComm Solutions	L	G	
Shane Haveron	Ametek	L	G	
Nicholas Kraemer	NuGrid Power	L	G	
Theo Laughner	PowerGrid-RX	L	G	
Kang Lee	NIST	L	G	
Richard Macwan	University of Illinois (UIUC)	L	G	
Dave McGuire	Hubbell-RFL	L	G	
Miriam Sanders	SEL	L	G	
Philip Winston	Southern Company	L	G	
Mark Ziegler	M.E.C.	L	G	
M: Member CM: Corresponding Member G: Guest				

Item no.	Notes	Action by
<b>CALL TO ORDER</b>	Meeting called to order by the chair at 11:50AM.	
<b>ROLL CALL, INTRODUCTIONS, AND QUORUM DETERMINATION</b>	Introductions were conducted in the room. Quorum was determined by a show of hands with membership displayed on the screen; 18/36 members present.	
<b>APPROVAL OF PREVIOUS MINUTES</b>	Minutes from the September meeting have been posted on the PSCCC website.  Marc Benou made a motion to approve the minutes as posted. Tony Johnson seconded the motion. The chair called for a vote by raising of hands. Motion carried with no dissent or abstention.	
<b>UNFINISHED BUSINESS</b>	No unfinished business carried over from the September 2018 meeting.	
<b>PSCCC CHAIR'S REPORT</b>	The Chair provided a brief introduction and welcome.	
<b>FUTURE SCHEDULED MEETINGS</b>	May 6-9, 2019 – Cincinnati, OH September 16-19, 2019 – Denver, CO January 12-16, 2020 – JTCM – Hyatt Regency Jacksonville, FL	
<b>PSCCC MEMBERSHIP REPORT</b>	36 Members / 45 Guests of record  Recognition of new members: Didier Giarratano, Hugo Monterrubio (Chair of PSCCC A1)  Thank-you to departing member: Farel Becker  Reviewed membership requirements for the Main Committee.  Craig Preuss reminded attendees to indicate their interest in balloting PSCCC standards by updating their IEEE MyProject profiles.	
<b>STANDARDS COORDINATOR REPORT</b>	No report.	
<b>TECHNICAL COMMITTEE PROGRAM CHAIR REPORT</b>	No report beyond what was reported in the PSRCC Main Committee meeting. Presentations shared in the PSRCC meeting will be shared with the distribution of the minutes.  A suggestion came from Scott Mix to add a new column for membership status/intention and local/remote participation to the GDPR-compliant sign-in sheet that is posted on the web site under resources. Craig Preuss to follow up.	Preuss

Item no.	Notes	Action by
<p><b>A0 TASK FORCE REPORTS</b></p>	<p>(A1) Awards – Hugo Monterrubio                      No report, other than to suggest that Awards only be handled at the January meetings going forward. The Chair requested an informational vote on the issue. No attendees indicated any preference to have Awards presented at every meeting. Marc Benou inquired about September instead of January. The chair will consider the input.</p> <p>(A2) Fellows – Bill Dickerson                      Met jointly on Monday with PSRCC to work on nominations. One fellow is already a member of the E0 Wireline Subcommittee.</p> <p>(A3) Membership (Newcomers) – Mal Swanson – no report</p> <p>(A4) O&amp;P Manual and Working Group Training – TBD – no report</p> <p>(A5) Publicity – Cathy Dalton – no report                      The chair reiterated the willingness of IEEE publicity staff to assist in marketing the activities of the committee.</p> <p>(A6) Long Range Task Force – TBD – no report</p> <p>(A7) Website – Nathan Wallace – no report</p> <p>(A8) Terminology – Mal Swanson – no report</p>	
<p><b>SUBCOMMITTEE REPORTS</b></p>	<p>C0 – Power line carrier subcommittee (Ray)                      C0 SC met in September and the work mainly consists of C93.5, Standard for Terminal Equipment. Also have some work to do on an older standard, C93.1, which is now C57.13.9, and the Substations Committee needs input from C0 to maintain this standard.</p> <p>D0 – Wireless subcommittee – no report</p> <p>E0 – Wireline subcommittee (Fuller)                      E0 SC Wireline SC is maintaining 12 standards, with 2 currently in publication for revision (776 and 1137). The SC is also working on new activities related to VoIP circuits. 22 members on the roster with some corresponding members. Looking for an alternate IEEE member to serve on the NFPA panel.</p> <p>F0 – Optical fiber subcommittee – no official report                      John Fuller provided a brief summary of the current activities of the F0 subcommittee.</p> <p>P0 – Protocols and architecture subcommittee (Benou)                      P0 met yesterday with 24 members and 17 guests. The SC membership is currently 39, so a quorum was achieved.                      The following is a quick summary of the meeting:</p> <p>P2WG, Electric Power Systems Communications – Distributed Network Protocol (DNP3) has a PAR expiring at the end of 2019 and needs to file for an extension. The situation is complicated by the fact that the WG was not moved from Substations to the PSCC. The WG needs to complete their work by 2022 when the standard expires.</p> <p>P3TF, Exchanging Information Between Networks Implementing IEC 61850 and IEEE Std. 1815 (DNP3). This is 1815.1. Their main discussion was about going dual logo with IEC Canada.</p>	

Item no.	Notes	Action by
<p><b>SUBCOMMITTEE REPORTS, CONT'D</b></p>	<p>P8TF, Recommended Mapping Approach between IEEE C37.118.2 and IEC 61850, is finishing their comments and editing on their report. They hope to have it available for the SC to review and approve the report. They plan to continue as a TF to right a summary paper for presentation at technical meetings. There is some concern about copyright issues. We will work with IEEE to help them navigate these issues.</p> <p>P11TF, Report on Cloud Computing, uses and Requirements of Electric Power Utilities, will do a survey of utilities to see what they are currently doing in regards to cloud computing and what they need from the group in the way of standards. A presentation was given by a member of the TF about what is currently going on and future plans. The presentation will be posted on the PSCC website when it is available. Another TF member will give a similar presentation in January.</p> <p>P12TF, Analog Leased Line End-of-life and Migration Report, reviewed the changing state of FCC regulations for leased lines. TSP (Telecommunication Service Priority) was discussed as a possible alternative to traditionally leased lines. The TF is trying to coordinate with UTC. The UTC is currently working on a report on analog leased lines.</p> <p>Three new SG were formed:  P13SG, Beginners study guide to 61850. Antonio Riccardo agreed to chair the SG. After initial discussion, the effort was supported by the SC without any dissent. The key to this work is to focus on the protocol and how it works and not wander off on applications. It was recommended that a good resource for this group is the UCA interop boot camp and a new book IEC 61850 Demystified.</p> <p>P14SG, Review of C37.236, IEEE Guide for Power System Protective Relay Application Over Digital Communication Channels Revision. Tom Dahlin has agreed to chair the SG.</p> <p>P15SG, DNP3 profile for DER communications, 1815.2, which would take the DER profile and turn it into a standard. The SG will be chaired by Eric Thibodeau.</p> <p>P0 requests that in January, we not be put at the same time as the H or ISCs and will need a room for at least 40 people.</p> <p>S0 – Cybersecurity subcommittee (Kunsman)  S0 met on Wednesday with a quorum (11/18 members, 13 guests)  7 active Working Groups  2 active Task Forces  2 active Study Groups</p> <p>SG S9 on Utility IT-OT challenges had a great meeting with a few utility IT representatives participating. S0 SC voted to approve S9 to move forward as a Task Force, with Theo Laughner as the chair.</p>	

Item no.	Notes	Action by
<p><b>SUBCOMMITTEE REPORTS, CONT'D</b></p>	<p>WG S1, Revision of IEEE 1686, met on Monday, and as part of their discussion, a need was identified to determine if virtual IEDs should be considered within the scope of IEEE 1686 or another standard. S0 SC voted to approve the formation of a new SG, S12, to proceed to investigate Virtual IED cyber security requirements, with Marc Lacroix as chair, and Bill Dickerson as vice-chair.</p> <p>WG S4 for SSCP met on Thursday with 4 members and 10 guests; quorum was not achieved. But, it was announced that the PAR extension to 12/2020 was approved, and the initial ballot completed on 12/18 with 90% approval, and 75 comments. The chair, Scott Mix, has a goal of resolving all the remaining comments, and proceeding with the second round ballot in time to be in comment resolution at the May meeting. Several teleconference meetings and email votes will be conducted to accomplish this.</p> <p>S0 is extending an invite to any and all interested utility IT representatives to participate in S0 and sub-group activities.</p> <p>A 2<sup>nd</sup> IEEE Utilities Cybersecurity Workshop is being planned, tentatively in Atlanta, adjacent to the December NERC CIPC meeting. Please contact Steve Kunsman if interested in participating.</p> <p>S0 wishes to extend special thanks to Farel Becker who served as the S0 secretary since S0's inception in PSCCC. Farel has taken on a new role and no longer expects to participate with the PSCCC.</p> <p>T0 – Broadband over Power Line Technology – no report (currently inactive)</p>	
<p><b>LIAISON REPORTS</b></p>	<p>IEEE 5G (TBD) – no report            CIGRE D2 (TBD) – no report            IEC TC57 WG15 (Marc Lacroix) – no report            IEEE Communications Society (TBD) – no report            ISA99 (TBD) – no report            IEEE-SA (Erin Spiewak) – no report            IEEE PES (Miriam Sanders) – no report            IEEE Smart Grid (TBD) – no report</p>	
<p><b>ITEMS REPORTED OUT OF EXECUTIVE SESSION</b></p>	<p>N/A</p>	

Item no.	Notes	Action by
<b>NEW BUSINESS</b>	<p>123Signup Update                      Additional information forthcoming                      Subcommittee Reports to A0 and Main Committee                      SC chairs need to get reports submitted to the PSCCC Secretary as soon as possible after the completion of each meeting; full minutes need to follow soon behind.</p> <p>New PAR approvals                      No new PAR approvals to be discussed. However, new PARs need to be submitted to A0 prior to the MC meeting.</p> <p>PAC World Update                      PSCCC will continue to provide updates in each issue of PAC World regarding new activities, current status, major accomplishments, etc. Please submit information to James Formea ASAP.</p> <p>Reports to the PSRCC                      Please provide any updates that should be submitted to the PSRCC to James Formea by the end of the day prior to the main committee meetings.</p>	
<b>PSCCC VICE-CHAIR REPORT</b>	<p>Craig Preuss made some brief comments as the newly installed vice-chair.</p>	
<b>PSCCC PAST CHAIR COMMENTS</b>	<p>Mike Dood made some brief comments as the new past-Chair.</p> <p>Scott Mix asked a question regarding the joint work announced in the PSRCC meeting for PSRCC SC IO to work jointly with PSCCC on IEEE 1613 sponsorship. Craig Preuss explained further that this is co-sponsorship of the standard. This is not a formal joint Working Group.</p> <p>Craig Preuss made a motion that the Main Committee approve joint sponsorship of the IEEE 1613 PAR. Mike Dood seconded the motion. A question was raised regarding if the work required a home in a PSCCC subcommittee; answer from the chair was that the relationship will be to the PSCCC Main Committee. Additional questions asked regarding visibility of the PSRCC I31 WG to PSCCC members on meeting schedules going forward. If a separate PSCCC group needs to be formed, it may be a WG or TF under A0. The chair called for a vote by raising of hands. Motion carried with no dissent or abstention.</p>	
<b>TIME OF FINAL ADJOURNMENT</b>	<p>Motion to adjourn made by Bill Dickerson.                      Meeting adjourned at 12:38PM.</p>	
<b>FUTURE MEETING ROOM REQUIREMENTS</b>	<p>[Room Size = 50][Projector = YES][Telecon = YES]</p>	