

PSCC Subcommittee Meeting Minutes

Designation: PO	Name: PROTOCOLS AND COMMUNICATION ARCHITECTURE SUBCOMMITTEE			
Meeting Location: Virtual WebEx	Meeting Time: 09:10am CDT	Meeting Date: 2021/01/14	Minutes Revised: 2021/04/30	Minutes Approved: 2021/05/06
Presiding Officer(s): Benton Vandiver, Chair; Tom Dahlin, Vice Chair		Recorded by: Tom Dahlin	Draft Number: 3.0	
Attendance:				
Name		Affiliation		Phone (P) / Web (W) / Local (L) M/CM/G
Benton Vandiver – Chair		Hitachi ABB Power Grids		W M
Tom Dahlin – Vice Chair		SEL		W M
Benou, Marc		Iniven		W M
Bougie, James		Global Power Technologies		W M
Cenzon, Ed		SEL		W M
Dood, Mike		SEL		W M
Easley, Kevin		NEI Engineering		W M
Falk, Herb				W M
Farquharson, Ron		Mount Victoria Consulting Ltd		W M
Formea, James		EATON		W M
Gharpure, Vasudev		Quanta Technology		W M
Giarratano, Didier		Schneider Electric		W M
Holstein, Dennis		OCG		W M
Hu, Yi		Quanta Technology		W M
Huntley, Chris		SEL		W M
Johnson, Tony		SCE		W M
Mackiewicz, Ralph		Sisco		W M
Maragal, Deepak		NYPA		W M
Martin, Ken		EPG		W M
McGuire, Dave		Hubbell-RFL		W M
Mix, Scott		PNNL		W M
Nordell, Dan				W M
Palmer, Craig		PowerComm Solutions		W M
Preuss, Craig		Black & Veatch		W M
Thibodeau, Eric		Hydro Quebec		W M
Udren, Eric		Quanta Technology		W M
Brittany Chapman		Commonwealth Associates		W G
Charles Adewole				W G
David Dolezilek		SEL		W G
David Williams		FirstEnergy		W G
Deryk Yuill		iS5 Communications		W G
Erin Morales		IEEE		W G
Eugenio Carvalheira				W G
Gayle Nelms		SEL		W G
Jay Anderson		ComEd - Exelon Corp		W G
Jean-Sebastien Gagnon - Vizimax		Vizimax		W G
Jeff Pack		POWER Engineers, Inc.		W G
Jim Michaelis		Commonwealth Associates, Inc.		W G
Karen Leggett Wyszczelski		Schweitzer Engineering Labs		W G
Marcos Velazquez		Doble Engineering Company		W G
Nathan Wallace		Cybirical		W G

Nicholas Kraemer	NuGrid Power	W	G
Priyanka Nadkar	SEL	W	G
Roman Graf	Buhler Group	W	G
Shane Haveron	AMETEK Power Instruments	W	G
Tom Hofstetter	NERC	W	G
Xiangyu.Ding	S&C Electric Company	W	G
Yuchen Lu		W	G
M: Member CM: Corresponding Member G: Guest			

Minutes of meeting (continued)

Item no.	Notes	Action by
CALL TO ORDER		BV
INTRODUCTIONS AND QUORUM	Member roll call taken. A quorum was met. There were 26 of 35 members present.	BV
AGENDA APPROVAL	The motion was passed. Motion – Scott Mix/ Second – Eric Thibodeau/ Approved - Yes (26).	BV
APPROVAL OF PREVIOUS MINUTES	The motion was passed. Motion - Tony Johnson/ Second – Scott Mix / Approved - Yes (26).	BV
CHAIR'S REMARKS	<p>Announcements WG minutes, PLEASE, get them in to Tom within 1 week after your meeting. If not, we cannot complete our SC report to the MC.</p>	BV
REPORTS	Please include what you need for the next meeting (room size, sessions) and revision of the document (draft #); Requirements for Next Session (RNS).	

Minutes of meeting (continued)

Item no.	Notes	Action by
P1WG	<p>Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications. Amendment 1: Adding a TLV to indicate the latest IERS-specified UTC Leap Second Event</p> <p>Chair: Chris Huntley</p> <p>The chair briefly reviewed the comments received from the IEEE ballot. There was some discussion on whether many of the received comments were in-scope vs the PAR assignment. Galina Antonova led a presentation to discuss the issues of the Amendment and proposed potential alternatives to the C37.238A TLV.</p> <p>RNS: 20 people, 1 session, HDMI projector</p> <p>Conflicts: H41, H50, I4, H47.</p>	Chris Huntley
P2WG	<p>Electric Power Systems Communications – Distributed Network Protocol (DNP3)</p> <p>Chair: Ron Farquharson</p> <p>P2 met in a double session. P2 is focused on 1815 (DNP3)</p> <p>RNS: 25 people, 1 session, HDMI projector, WiFi, teleconferencing</p> <p>Conflicts:</p>	Ron Farquharson
P3SG	<p>Exchanging Information Between Networks Implementing IEC 61850 and IEEE Std. 1815.1 (DNP3)</p> <p>Chair: Ron Farquharson</p> <p>DID NOT MEET.</p> <p>RNS: 25 people, 1 session, HDMI projector, WiFi, teleconferencing</p> <p>Conflicts:</p>	Ron Farquharson
P5WG	<p>Recommended Practice for Network Communications in Substations (IEEE P1615)</p> <p>Chair: Kevin Easley</p> <p>IEEE Std 1615-2019 is published. Document out of date. PAR approved. P5 is a working group.</p> <p>RNS: 30 people, 1 session, HDMI projector, WiFi</p> <p>Conflicts:</p>	Kevin Easley
P6WG	<p>Configuring Ethernet LAN Infrastructure</p> <p>Chair: Eric Udren</p> <p>DID NOT MEET.</p> <p>The report is published. The group has a power point and conference paper they have been presenting to the industry.</p> <p>RNS: No need for meeting in January.</p> <p>Conflicts: N/A</p>	Eric Udren

Minutes of meeting (continued)

<p>P8TF</p>	<p>Recommended Mapping Approach between IEEE C37.118.2 and IEC 61850 Chair: Yi Hu Announce the publication of the PES-TR-74. Preparing presentation and paper for conferences and magazines. RNS: 20 people, 1 session, HDMI projector Conflicts: PSRC B2, C23, C28, CTF41, C42, C43, PSCC P9, P10</p>	<p>Yi Hu</p>
<p>P9WG</p>	<p>Revision of C37.118.2 Chair: Vasudev Gharpure The working group has been meeting via web meetings and creating a working document. A summary of the deliberations so far was presented. The work could be ready to go to ballot by the middle of this year. RNS: 20 people, 1 session, HDMI Projector Conflicts: C40, C23, C28, C41, P10</p>	<p>Vasudev Gharpure</p>
<p>P10WG</p>	<p>IEEE Standard for Streaming Telemetry Transport Protocol Chair: Ken Martin The chair reviewed the current draft of the standard. We are continuing to go through the detail of the many changes in the current work before moving on to new sections. The WG will continue the monthly WG meetings to develop the draft in the meantime. The chair will call for a webex meeting sometime in the first 2 weeks of February. An organizing email will be sent out in the next week. RNS: 20 people, 1 session, HDMI projector Conflicts: P9, C23, C28, CTF41, PSRC-SC-C</p>	<p>Ken Martin</p>
<p>P11TF</p>	<p>Report on Cloud Computing, uses and Requirements of Electric Power Utilities Chair: T.W. Cease DID NOT MEET. RNS: 25 people, 1 session, HDMI Projector Conflicts:</p>	<p>T.W. Cease</p>
<p>P12TF</p>	<p>Analog Leased Line End of Life and Migration Report Chair: Marc Benou Introduction for new attendees - background on why this report came into existence Will change section 2 title to, 1. History of Leased Voice-Grade Channels for Power System Protective Relay Applications. Agreed the report will discuss only protection applications and will not cover broader topics like SCADA. Several other modifications were discussed. Marc will make the changes to the document and present it to the TF in May or sooner RNS: 20 people, 1 session, HDMI Projector Conflicts: H32, P14, H49, C1</p>	<p>Marc Benou</p>

Minutes of meeting (continued)

Item no.	Notes	Action by
P13TF	<p>Beginners guide to IEC 61850 Chair: Eugenio Carvalheira Request to PO is to transition this SG to a TF and appoint a chair to continue the work and produce the report. Motion – Benton Vandiver/ Second – Tony Johnson / Approved -Yes (26). New Chair - Eugenio Carvalheira RNS: 30+ people, 1 session, HDMI projector, WiFi Conflicts: H45, H27, H31, H30, H6, H44, TFH47,</p>	Benton Vandiver
P14WG	<p>Review of C37.236, IEEE Guide for Power System Protective Relay Applications Over Digital Communication Channels Chair: Tom Dahlin Revise Guide. Bring up to date. Discussion on proposed title change to: Guide for Digital Communication Channels for Power System Protective Relay Applications Need to add table of contents to draft and several submissions to be added. RNS: 20 people, 1 session, HDMI projector Conflicts: P12, H42, H41, H49</p>	Tom Dahlin
P15WG	<p>Standard Profile for Communications with Distributed Energy Resources (DERs) using IEEE Std 1815 [Distributed Network Protocol (DNP3)] Chair: Eric Thibodeau Working on a paper. Transitioned to WG with PAR approval in 2019. The working group is still on hold waiting for the agreement between the IEEE and the DNP-UG regarding the use of AN2018-001. The agreement proposed by the IEEE to the DNP-UG contains substantial differences from the one that was agreed upon for IEEE 1815. The DNP-UG have issues with these differences. RNS: 25 people, 1 session, HDMI projector, WiFi Conflicts: S1, P2, P3, K25</p>	Eric Thibodeau
P16WG	<p>P1854 Review by PSCC for Communications and Cybersecurity Requirements Chair: Craig Preuss DID NOT MEET. The work is transitioning from a SG to a WG with potential officers Jason Lombardo, Abder Elandaloussi, and Xiangyu Ding as described in the PO September 2020 meeting minutes. We are still trying to get the work kicked off with the T&D Committee and little progress can be reported RNS: 20 people, 1 session, HDMI projector, WiFi, Conflicts: I31, H46</p>	Craig Preuss
P17	<p>Investigate need for a “Guide of the architecture and technical specifications of Cyber Physical Power System.” Chair: Ming Ni Voted to disband. Motion – Craig Preuss / Second – Tony Johnson Approved: Yes (26)</p>	Ming Ni

Minutes of meeting (continued)

<p>P18SG</p>	<p>Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS), End-Use Applications, and Loads Chair: Anthony Johnson PO Joint Working Group with SCC21 for revision of IEEE 2030. Reviewed Copywrite and Patent slides. Presented the proposed work plan. This work plan identified the schedule and subgroups that will be established to perform the work. RNS: 25 people, 1 session, HDMI projector, Conflicts: S13</p>	<p>Anthony Johnson</p>
<p>P19SG</p>	<p>Study Group on Universal Utility Data Exchange (UUDEX) Chair: Scott Mix Many participants were new to the process (i.e., did not attend the September meeting), so Chair Scott Mix provided an overview of the UUDEX project and results. Discussion of the proposal indicated that the SG is not ready to move to requesting elevation to a TF or WG due to a number of outstanding questions on the project. The specific issues will be discussed between now and the May meeting, at which time a decision will be made on the future status of the proposal. RNS: 20 people, 1 session, HDMI projector, Conflicts:</p>	<p>Scott Mix</p>
<p>P20SG</p>	<p>Joint Revision of IEC 61850-9-3 Chair: Benton Vandiver Purpose of meeting is to provide draft PAR wording to establish joint revision of the 9-3 standard. Submit to the SC and MC for approval. Motion to SC– Benton Vandiver/ Second – Dennis Holstein/ Approved -Yes (26). RNS: 25 people, 1 session, HDMI Projector Conflicts: H27, H44, H51</p>	<p>Benton Vandiver</p>
<p>OLD BUSINESS</p>		

Minutes of meeting (continued)

TIME OF FINAL ADJOURNMENT	10:10am CDT	TD
NEXT FACE TO FACE MEETINGS	May 2021 Virtual Meeting	BV
FUTURE MEETING ROOM REQUIREMENTS	For the next meeting we will need to meet for 1 session in a room for 50 people. We do not want to meet at the same time as the PSRC H SC or the PSCCC S SC.	