

## PSCC Subcommittee Study Group Meeting Minutes

Designation: P21		Name: System Architectures Supporting the Virtualization of Substation Protection and Control Applications			
Meeting Location: Teleconference		Meeting Time: 10:00 AM	Meeting Date: 2021/08/23	Minutes Revised:	Minutes Approved: 2021/09/22
PAR Output: N/A	PAR Output: N/A	PAR Approval Date: N/A	PAR Expiration Date: N/A	Target Sponsor Ballot Date: N/A	Target Completion Date: N/A
Presiding Officer: Craig Preuss, Chair			Recorded by: Craig Preuss		Draft Number: N/A
Attendance:					
Name		Affiliation		Attending via Phone (P) / Web (W) or Local (L) M/CM/G	
Craig Preuss		Black & Veatch		W	M
Jean Raymond		Hydro Québec		W	M
Jeremy Slimmer		Ampirical		W	M
Noor M Fadzli B Othman		Petronas		W	M
Florian Ainhirn		Versuchsanstalt für Hochspannungstechnik Graz GmbH   High Voltage Test Laboratory Graz Ltd. TU Graz   Graz University of Technology		W	M
Madhab Paudel		Eaton		W	M
Arun Shrestha		IEEE		W	M
Scott Mix		PNNL		W	M
Shane Haveron		AMETEK		W	M
Charles Witham		Eaton		W	M
Chris Heron		Integrated Power Services		W	M
Ibrahim Abdulhadi		University of Strathclyde, Glasgow		W	M
Dean Samara-Rubio		Intel		W	M
Farzad Khalilpour		SCE		W	M
Juan Placid		J J Power & Energy Inc.		W	M
Fred Agyekum		SEL		W	M
Gayle Nelms		SEL		W	M
Jay Anderson		ComEd		W	M
Nathan Wallace		Cyberical		W	M
Veselin Skendzic		SEL		W	M
Eugenio Carvalheira		OMICRON		W	M
Paul Myrda		EPRI		W	M
Mickey Schultz		Black & Veatch		W	M
Prithpal Khajuria		Intel		W	M
Thomas Rudolph		Schneider Electric			M
Prasad Shrawane		Greater Sudbury Hydro Inc.			M
Mike Dood		SEL			M
Priyanka Nadkar		SEL			M
Austin Wade		SEL			M
Steven Blair		Synaptec			M

Zeus Xioco	SCE		M
Michael Thompson	SEL		M
Adam Caballero	Eaton		M
Ramakrishna Gokaraju	University of Saskatchewan		M
Daniel Ridenour	Dominion Energy		M
James Formea	Eaton		M
Mital Kanabar	GE Renewable Energy		M
Charles Adewole	ERL Phase Technologies		M
Chand Tailor	Eaton		M
Deryk Yuill	is5		M
Xavier Manel-la	Siemens		M
Jeff Pack	POWER Engineers		M
David Dolezilek	SEL		M
Anthony Johnson	SCE		M
Jean Raymond	Hydro Québec		M
Deepak Maragal	NYPA		M
Priyanka Nadkar	SEL		M
Steve Klecker	MidAmerican		M
Jim Michaelis	Commonwealth Associates. Inc.		M
Sai Chandra Reddy Thota	Megger Ltd		M
Anthony Sivesind	SRP		M
Miguel Rios	Southern Company		M
Chris Huntley	SEL		M
Jesse Silva	SCE		M
Eric Thibodeau	Hydro Québec		M
James Bougie	GPT		M
M: Member CM: Corresponding Member G: Guest			

Item no.	Notes	Action by
<b>CALL TO ORDER</b>	Meeting was called to order by the chair at approximately 10 AM Eastern	
<b>INTRODUCTIONS AND QUORUM</b>	Introductions were not undertaken, the participants list was used. Quorum does not apply to study group per IEEE-SA rules all attendees are considered voting members.	
<b>CALL FOR PATENTS</b>	Pre-PAR patent slides were shown.	
<b>IEEE-SA COPYRIGHT</b>	IEEE-SA copyright slides shown.	
<b>CHAIR'S REMARKS</b>	General welcome given.	
<b>AGENDA APPROVAL</b>	Mike Dood motion to approve agenda, Prithpal Khajuria second. No objections or abstentions.	
<b>APPROVAL OF PREVIOUS MINUTES</b>	Scott Mix motion to approve May 5, 2021 meeting minutes, Prithpal Khajuria second. No objections or abstentions. The chair announced the minutes approved and will email out to the participants.	Chair to distribute May 5 meeting minutes
	Scott Mix motion to approve August 9, 2021 meeting minutes, Jay Anderson second. No objections or abstentions. The chair announced the minutes approved and will email out to the participants.	Chair to distribute August 9 meeting minutes

Item no.	Notes	Action by
<b>Discussion</b>	IEEE-SA is open to having non-PAR related groups use iMeet.	Chair to check with Erin about setting up an iMeet site for P21.
<b>Regular Web Meetings</b>	<p>How much background / reference / presentation is needed</p> <ul style="list-style-type: none"> <li>• PSRC H5 PC37.300???</li> <li>• EPRI (X)</li> <li>• SCE (X)</li> <li>• SRP (X)</li> <li>• Intel (X)</li> <li>• LF Energy SEAPATH project???</li> <li>• PSCCC S1 P1686???</li> <li>• PSRC H46 PC37.1.3???</li> <li>• Others???</li> </ul> <p>Discussion over cancelled meetings and whether to hold Nov 29<sup>th</sup> meeting. There was no objection to cancelling the meeting.</p> <p>Intel is interested to coordinate a server hardware vendor (Dell/Crystal/Advantech) to present</p> <ol style="list-style-type: none"> <li>a. Will target Advantech presentation for October 4th meeting. Demo and learn about hardware ( 45-60 Mins)</li> <li>b. Intel 1 Gigabyte PRP card</li> </ol>	<p>Nov 29 meeting to be cancelled by Chair.</p> <p>Prithpal to help coordinate</p>
<b>PRESENTATION</b>		
<b>ITEMS REPORTED OUT OF EXECUTIVE SESSION</b>	There was no executive session.	
<b>TIME OF FINAL ADJOURNMENT</b>	The meeting was adjourned at approximately 11:30 AM Eastern.	
<b>NEXT FACE TO FACE MEETINGS</b>	<b>Meeting bi-weekly starting on Aug 9. PSRC/PSCCC September meeting will be Sept 22 so P21 will not meet on Sept 20.</b>	
<b>FUTURE MEETING ROOM REQUIREMENTS</b>	N/A for room size, projector, conflicts.	



P21SG  
agenda-2021-08-23.



Common  
Substation Platform