

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: 2021/10/04	Minutes Revised: <u>2021/10/18</u>	Minutes Approved: <u>2021/10/18</u>
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
Adam Caballero		Eaton		W	M
Anthony Sivesind		SRP		W	M
Austin Wade		SEL		W	M
Charles Witham		Eaton		W	M
Chris Heron		Integrated Power Services		W	M
Dean Samara-Rubio		Intel		W	M
Eugenio Carvalheira		OMICRON		W	M
Farzad Khalilpour		SCE		W	M
Gayle Nelms		SEL		W	M
Greg Zweigle		SEL		W	M
Ibrahim Abdulhadi		University of Strathclyde, Glasgow		W	M
James Formea		Eaton		W	M
Jay Anderson		ComEd		W	M
Jean Raymond		Hydro Québec		W	M
Madhab Paudel		Eaton		W	M
Mike Dood		SEL		W	M
Prithpal Khajuria		Intel		W	M
Sai Chandra Reddy Thota		Megger Ltd		W	M
Scott Mix		PNNL		W	M
Shane Haveron		AMETEK		W	M
Veselin Skendzic		SEL		W	M
Cole Weber		Advantech		W	M
Joseph Yang		Advantech		W	M
Jeff Brown		Advantech		W	M
Alex Apostolov		OMICRON			M
Andre Melo		Schneider Electric			M
Anthony Johnson		SCE			M
Antonello Monti		RWTH Aachen University			M
Arun Shrestha		IEEE			M
Benton Vandiver		Hitachi Powergrids			M
Byungtae Jang, KR					M
Chand Tailor		Eaton			M

Charles Adewole	ERL Phase Technologies		M
Chris Huntley	SEL		M
Daniel Ridenour	Dominion Energy		M
Daqing Hou	SEL		M
David Dolezilek	SEL		M
Deepak Maragal	NYPA		M
Dennis Holstein	OPUS Consulting Group		M
Deryk Yuill	is5		M
Eric Thibodeau	Hydro Québec		M
Florian Ainhirn	"Versuchsanstalt für Hochspannungstechnik Graz GmbH High Voltage Test Laboratory Graz Ltd.		M
TU Graz Graz University of Technology"			M
Fred Agyekum	SEL		M
Gurudatha (Guru) Pai	GE Digital		M
James Bougie	GPT		M
Jay Herman	EPRI		M
Jeff Pack	POWER Engineers		M
Jeremy Slimmer	Cybirical		M
Jesse Silva	SCE		M
Jim Michaelis	Commonwealth Associates. Inc.		M
Jose Ruiz	Doble		M
Joshua Hughes	Patterson Power Engineers		M
Juan Placid	J J Power & Energy Inc.		M
Laurel Brandt	TVA		M
Luke Hebert	Cybirical		M
Michael Thompson	SEL		M
Mickey Schultz	Black & Veatch		M
Miguel Rios	Southern Company		M
Mital Kanabar	GE Renewable Energy		M
Murty Yalla	Hubbell		M
Nathan Wallace	Cybirical		M
Nirmal Nair			M
Noor Mohd Fadzli B Hj. Othman	PETROLIAM NASIONAL BERHAD (PETRONAS)		M
Paul Myrda	EPRI		M
Prasad Shrawane	Greater Sudbury Hydro Inc.		M
Priyanka Nadkar	SEL		M
Ramakrishna Gokaraju	University of Saskatchewan		M
Richard Kephart	Emerson		M
Steve Klecker	MidAmerican		M
Steven Blair	Synaptec		M
Ted Witham	Eaton		M
Thai Li	Hubbell		M
Thomas Rudolph	Schneider Electric GmbH		M
Wayne Stec	Distregen		M
Xavier Manel-la	Siemens		M
Zeus Xioco	SCE		M

M: Member
 CM: Corresponding Member
 G: Guest

Item no.	Notes	Action by
CALL TO ORDER	Meeting was called to order by the chair at approximately 10 AM Eastern	
INTRODUCTIONS AND QUORUM	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.	
CALL FOR PATENTS	Pre-PAR patent slides were shown.	
IEEE-SA COPYRIGHT	IEEE-SA copyright slides shown.	
CHAIR'S REMARKS	General welcome given.	
AGENDA APPROVAL	James Formea motion to approve agenda, Scott Mix second. No objections or abstentions.	
APPROVAL OF PREVIOUS MINUTES	Previous minutes not distributed.	
Regular Web Meetings	EPRI (X) SCE (X) SRP (X) Intel (X) Advantech (Oct 4) LF Energy SEAPATH project and CIGRE B5.60 (October 18) PSRC H45 PC37.300 (October 18) TTTech Industrial North America (Nov 1) VMWare (Nov 15) PSCCC S1 P1686??? PSRC H46 PC37.1.3??? PSRC H27 COMSET PC37.251??? PSCCC S7 ISO TS 23167, general cloud that is applicable Others???	Nov 29 meeting to be cancelled by Chair.
PRESENTATION	Advantech	Cole to update presentation to address fan standards
Action Items	Still no update from Erin about setting up an iMeet site for P21 IEEE C37.1.3 presentation Oct 4?	Chair will contact Erin.
	Nov 29 meeting was discussed and will remain on schedule.	
	No presentation scheduled for IEEE C37.1.3 presentation Oct 4.	Chair will look for future date.
ITEMS REPORTED OUT OF EXECUTIVE SESSION	There was no executive session.	
TIME OF FINAL ADJOURNMENT	The meeting was adjourned at approximately 11: 30 ³⁷ AM Eastern.	
NEXT FACE TO FACE MEETINGS	Meeting bi-weekly on October 18 , Nov 1, Nov 15, Nov 29, Dec 13.	

Item no.	Notes	Action by
FUTURE MEETING ROOM REQUIREMENTS	N/A for room size, projector, conflicts.	



Advantech - Grid
Virtualization (IEEE PE:



P21SG
agenda-2021-10-04.p