

## PSCC Subcommittee P14 Meeting Minutes

Designation: P14		Name: IEEE Std C37.236™-2013. Guide for Power System Protective Relay Applications Over Digital Communication Channels			
Meeting Location: Virtual Meeting		Meeting Time: 11:30AM CST	Meeting Date: 2021/09/20	Minutes Revised: 2021/09/24	Minutes Approved: 2022/01/10
PAR Output: Standard	PAR Output: Guide	PAR Approval Date: 11/7/2019	PAR Expiration Date: 12/31/2023	Target Sponsor Ballot Date: 9/2021	Target Completion Date: 6/2022
Presiding Officer: Tom Dahlin, Chair; Dave McGuire, Vice Chair			Recorded by: Dave McGuire	Draft Number: 1.0	
Attendance:					
Name		Affiliation		Attending via Phone (P) / Web (W) or Local (L) M/CM/G	
Tom Dahlin		SEL		W	M
Dave McGuire		RFL/Hubbell		W	M
Chris Huntley		SEL		W	M
Dave Dolezilek		SEL		W	M
Galina Antonova		Hitachi ABB Power Grids		W	M
Jay Anderson		ComEd		W	M
Jim O'Brien		Duke Energy		W	M
Ken Fodero		SEL		W	M
Madhab Paudel		Eaton		W	M
Marc Benou		Iniven		W	M
Steve Klecker		MidAmerican Energy		W	M
Alla Deronja		American Transmission Company		W	G
André Melo				W	G
Andre Smit		Siemens		W	G
Arun Shrestha		SEL		W	G
Bharat Nalla		SEL		W	G
Brittany Chapman		Commonwealth Associates, Inc.		W	G
Byungtae Jang, KR				W	G
Craig Palmer		Powercomm Solutions		W	G
Dan Reckerd		Duke Energy		W	G
Daniel Freeman		Siemens		W	G
Gustavo Brunello		GE		W	G
Jay Herman		EPRI		W	G
Jalal Gohari		WSP		W	G
Jason Pannell		University of Saskatchewan		W	G
Jean-Christophe Lesieur		Quanta Technology		W	G
Jeffrey Pond		National Grid		W	G
Jim Michaelis		Commonwealth Associates, Inc.		W	G
Jie Ren				W	G
Jörg Blumschein		SIEMENS		W	G
Juan Placid		JJ Power and Energy		W	G
Jun Verzosa		Doble Engineering		W	G

**Minutes of meeting (continued)**

Marcel Geor	Microchip	W	G
Marcos Velazquez	Doble Engineering Company	W	G
Motaz Elshafi	SEL	W	G
Rafael Garcia	Oncor	W	G
SPepeljak	TRC	W	G
Stephen VanderZande	AESO	W	G
Thai Li	Hubbell	W	G
Thomas Rudolph		W	G
Tyler Porter	Grenergy	W	G
Ying Hu	PGE	W	G
M: Member CM: Corresponding Member G: Guest			

Item no.	Notes	Action by
<b>CALL TO ORDER</b>	Performed by Chair	T. Dahlin
<b>INTRODUCTIONS AND QUORUM</b>	Introductions by Chair and Vice Chair – Quorum was achieved with 11 of 16 members in attendance.	WG
<b>CALL FOR PATENTS</b>	IEEE Patent and Copyright slides were reviewed with the group.	T. Dahlin
<b>CHAIR'S REMARKS</b>	Chair opened the meeting with a brief discussion of the agenda.	T. Dahlin
<b>AGENDA APPROVAL</b>	Agenda was displayed, reviewed, and approved.	WG
<b>APPROVAL OF PREVIOUS MINUTES</b>	Minutes of May 2021 meeting were approved. (Steve Klecker motion, Ken Fodero second)	WG
<b>Scope Review</b>	Revise Guide. Bring up to date.	WG
<b>General Discussion</b>	<p>Chair discussed reformatting and expanding the table of contents.</p> <p>Throughout the discussion, the topic of pros &amp; cons vs recommendations were considered. Chair discussed addressing advantages &amp; disadvantages of each technology (previous document did not). Question: should we be doing this? Marc suggested the reader should be made aware of advantages &amp; disadvantages, but we don't need to list them outright.</p> <p>The section regarding Private Cellular Network was reviewed. Thomas Rudolph suggested we add R-Goose. Chris Huntley asked if we should discuss latency.</p> <p>The section regarding GOOSE over cellular for Protection Applications was reviewed. David Dolezilek suggested adding a section regarding using a unique VLAN per message.</p> <p>The group discussed a section regarding Encryption using IPsec VPNs. We should include latency due to encryption</p> <p>Table of contents was discussed, and a revised layout was presented to the group. Consensus is that the revised table of contents is an improvement which includes combining some previous sections under a new subtitle for 'wireless communications.</p> <p>We will review all sections, but want to spend most of our effort in additions</p>	WG
<b>Call for Participation</b>		WG
<b>Assignments</b>	<p>During the review of the writing assignments the group made several recommendations that will need to be added and reviewed at the next meeting.</p> <p>Dave Dolezilek volunteered to provide a section on the use of VLANs for GOOSE traffic which will be reviewed at the next meeting. Dave has attended the last several meetings and has been added as member of the working group.</p>	WG

Item no.	Notes	Action by
<b>ITEMS REPORTED OUT OF EXECUTIVE SESSION</b>	N/A	-
<b>TIME OF FINAL ADJOURNMENT</b>	12:30 PM CST	T. Dahlin
<b>NEXT FACE TO FACE MEETINGS</b>	January 2022, Virtual	-
<b>FUTURE MEETING ROOM REQUIREMENTS</b>	Room for 30, Projector needed Do not schedule same time as P12, H41, H49, C1, C2 and D47.	