

PSCC Subcommittee Working Group Meeting Minutes

Designation: S15		Name: Guide for Securing Generic Object Oriented System Events (GOOSE) and Sampled Values (SV) Protocols of IEC 61850 using IEC 62351-6 and IEC 62351-9			
Meeting Location: Teleconference		Meeting Time: 1:10 PM	Meeting Date: 2021/09/21	Minutes Revised: [2021/12/30]	Minutes Approved: [2022/09/13]
PAR Output: New	PAR Output: Guide	PAR Approval Date: 2021/02	PAR Expiration Date: 2025/12	Target Sponsor Ballot Date: 2023/11	Target Completion Date: 2024/05
Presiding Officer: Jay Anderson, Shane Haveron, Dean Ouellette			Recorded by: Dean Ouellette	Draft Number: 1.0	
Attendance:					
Name		Affiliation		Attending via Phone (P) / Web (W) or Local (L) M/CM/G	
Jay Anderson		Com Ed		W	M
Shane Haveron		Ametek		W	M
Dean Ouellette		RTDS		W	M
Alex Apostolov		PacWorld		W	M
Eugenio Carvalheira		OMICRON		W	M
Nestor Casilla		Doble Engineering		W	M
David Dolezilek		SEL		W	M
Michael Dood		SEL		W	M
Herb Falk		Outside the Box Consulting Services, LLC		W	M
Colin Gordon		SEL		W	M
Mital Kanabar		GE		W	M
Nicholas Kraemer		NuGrid Power Corp		W	M
Karen Leggett Wyszczelski		SEL		W	M
Scott Mix		Pacific Northwest National Laboratory		W	M
Priyanka Nadkar		SEL		W	M
Bharat Nalla		SEL		W	M
Ed Cenzon		SEL		W	CM
Jalal Gohari		Parsons Brinckerhoff		W	CM
Yuchen Lu		EPRI		W	CM
Marcos Velazquez		Doble Engineering		W	CM
Deryk Yuill		iS5 Communications		W	CM
Galina Antonova		ABB		W	G
Fernando Calero		SEL		W	G
Mario Capuozzo		Doble Engineering		W	G
James Formea		Eaton		W	G
Brendan Gates		TRC		W	G
Marcel Geor		Microchip		W	G
Byungtae Jang, KR		KEPCO		W	G
Anthony Johnson		SCE		W	G
Ilhan Kocar		Polytechnique Montreal		W	G
Chikashi Komatsu		Hitachi ABB Power Grids		W	G
Thai Li		Hubble		W	G
Nirmal Nair		University of Auckland		W	G

Gayle Nelms	SEL	W	G
Safet Pepeljak	TRC	W	G
Jose Ruiz	Doble Engineering	W	G
Dustin Tessier	TESCO Automation	W	G
Nathan Wallace	Cybirical	W	G
M: Member CM: Corresponding Member G: Guest			

Item no.	Notes	Action by
CALL TO ORDER	Jay Anderson presided over the meeting; Shane Haveron the vice-chair was present as well as Dean Ouellette the secretary.	Jay
INTRODUCTIONS AND QUORUM	Officers were introduced. Establishment of a quorum. 16 members were present and a quorum was achieved.	Jay & Dean
CALL FOR PATENTS & REVIEW OF COPYRIGHT SLIDES	Patent and copyright policy slides were shown	Jay
CHAIR'S REMARKS	The approved project scope of was reviewed.	Jay
AGENDA APPROVAL	The agenda was approved	Motion: D. Dolezilek 2 nd : M. Dood
APPROVAL OF PREVIOUS MINUTES	Motion to approve minutes from last two meetings. Minutes for May 4 2021 meeting will be amended to include attendance and posted to the iMeet site. Minutes from 8/12/21 were approved.	Motion: S. Mix 2 nd : M. Dood
OLD BUSINESS: REVIEW OF SCOPE	The Scope was reviewed. We had a discussion on whether this Guide allowed for other approaches (than 62351-6 and -9) to GOOSE and SV security; based on the PAR, we decided other approaches are out-of-scope.	Jay; members
[AGENDA ITEM 1]	Members were encouraged to familiarize themselves with the 62351-6 and 62351-9 Standards. Material is available in iMeetCentral for members and non-voting members only.	Jay
[AGENDA ITEM 2]	We discussed potential impacts of 62351 security measures on GOOSE/SV performance. The members discussed latency changes and jitter. We discussed being able to develop bounds for acceptable performance, potentially defined in IEEE 1646.	Jay/Herb/Dave/ others
[AGENDA ITEM 3]	There was also some discussion of performance differences between potential types of encryption (hardware, software, and types)	Jay
[AGENDA ITEM 4]	The intent will still be to edit independently (rather than on a single locked document) at this time and then consolidate the contributions.	Jay
[AGENDA ITEM 5]	Discussed the layout of the Guide. Will probably use 62351-6 section 4 as a starting point.	Jay
[AGENDA ITEM 6]	Doodle poll to be conducted to select a November meeting date to continue discussions and begin writing assignments.	Jay

Minutes of meeting (continued)

Item no.	Notes	Action by
ITEMS REPORTED OUT OF EXECUTIVE SESSION		
TIME OF FINAL ADJOURNMENT	Motion to adjourn at 2:23 pm	Motedioned: S. Mix 2 nd : Karen Leggett
NEXT FACE TO FACE MEETINGS	Virtual and/or Garden Grove, CA	
FUTURE MEETING ROOM REQUIREMENTS	Avoid H50, S15, H44, H47, C33, S2	

