



PSCC Subcommittee Working Group P19 Meeting Minutes

Designation: P19	Name: Working Group on Universal Utility Data Exchange (UUDEX)
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Meeting Location: Jacksonville, FL / Web-conference	Meeting Time: 10:43 AM EST	Meeting Date: 2023/01/10	Minutes Revised: [YYYY/MM/DD]	Minutes Approved: 2023/05/10
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PAR Output: n/a	PAR Output: n/a	PAR Approval Date: 2022/03/24	PAR Expiration Date: 2026/12/31	Target Sponsor Ballot Date: 2023/09/30	Target Completion Date: 2025/12/31
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Presiding Officer: Scott Mix, Chair	Recorded by: Jim Michaelis, Vice-Chair	Draft Number: n/a
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Attendance:			
		Attending via Phone (P) / Web (W) or Local (L)	M/NVM/G
Name	Affiliation		

Scott Mix	PNNL	L	M
Jim Michaelis	Commonwealth Associates, Inc.	L	M
Jim Bougie	Albireo Energy	L	M
Mike Dood	SEL	W	M
James Formea	Eaton	L	M
Tom Hofstetter	NERC	W	M
Jeff Pack	Power Engineers	W	M
Eric Thibodeau	Hydro Quebec	W	M
Mark Adamiak	Adamiak Consulting / GE Grid Automation	L	NVM
J Richie Carroll	GPA		NVM
Peiman Dadkhah	NuGrid Power		NVM
Ali Ipakchi	OATI		NVM
Anthony Johnson	SCE	L	NVM
Theo Laughner	Lifescale Analytics		NVM
Craig Rieger	INL		NVM
Byungtae Jang	KEPCO		G
Deepak Maragal	Eureka Power Solutions, LLC	L	G
Eugenio Carvauteira	Omicron		G
Nathan Wallace	Cybirical		G
Shane Haveron	Ametek Power Instruments	W	G
Yi Hu	Quanta Technology		G
Erin Morales	IEEE		G
Tom Thompson	IEEE	L	G

M: Member
 NVM: Non-Voting Member
 G: Guest

Item no.	Notes	Action by
CALL TO ORDER	The chair called the meeting to order at 10:43 AM EST	Chair
INTRODUCTIONS AND QUORUM	This meeting of the P19 Working Group was welcomed by Scott. Attendee introductions were handled for those in the room and online, with 8 Members, 3 Non-Voting Members, and 2 Guests. The quorum was met.	Chair
AGENDA APPROVAL	Agenda for the meeting was reviewed, motion to approve by James Fornea, second by Jim Bougie, passed without objection.	Chair
APPROVAL OF PREVIOUS MINUTES	Meeting minutes from the September meeting were reviewed, motion to approve by James Fornea, second by Jim Bougie, passed without objection.	Chair
CALL FOR PATENTS	Post-par patent slides were shown.	Chair
Review of Copyright	IEEE SA copyright policy slides were reviewed.	Chair
Review of Behavior	IEEE SA participant behavior policy slides were reviewed.	Chair
Old Business	<p>Discussed the passing of Dennis Holstein, a member of this working group, who will be missed personally and for his willingness to contribute his knowledge to this and other standards development efforts.</p> <p>Reviewed the current state of the draft UUDX standard, referencing the following characteristics.</p> <ul style="list-style-type: none"> • Version Draft 0, Edit 7 (D0-E7) was referenced in the meeting minutes • Version D0-E8 was posted on Friday • Scott has started working on D0-E9, focusing on language clean-up • There has been no change to the GITHUB implementation <p>Current work is focused on the following:</p> <ul style="list-style-type: none"> • Identifying existing gaps and holes <ul style="list-style-type: none"> ○ The most prominent known hole remains implementing control ○ Discussed two potential control use cases • Soliciting additional help with writing UML code <ul style="list-style-type: none"> ○ Dennis was going to update the UML ○ Now Theo has agreed to work on this, but additional assistance would be beneficial ○ Discussed the status of the UML representation • The team needs to review desired power system information to be sure all elements are represented by the JSON implementation • The 2030.5 information model might be useful in this protocol <ul style="list-style-type: none"> ○ Definition of the REST interface ○ Team will need to decide if we should include a description of this interface 	Chair

Item no.	Notes	Action by
<p>Old Business (cont.)</p>	<p>Other development initiatives include:</p> <ul style="list-style-type: none"> • James provided a contact at NENA, the National Emergency Number Association <ul style="list-style-type: none"> ○ This could be a connection related to communications with Public Safety Answering Points (PSAP) ○ Also discussing using Southern California Edison experience with Cal Fire • Scott has started writing an introduction for the standard • Need to verify the API • Discussed the use of compression and potential options <ul style="list-style-type: none"> ○ AVRO combines compression and version control <ul style="list-style-type: none"> ▪ Is this the desired approach? ○ Another option could be the use of ZIP functions ○ Currently there is a section with a general discussion of compression algorithms, which might be reduced to only cover the compression that will be used • Related to the section on compression algorithms, looking for guidance and assistance on what parts of the current document might not be important • The document should be reviewed for the use of “American” language and whether these are appropriate for an international standard 	
<p>New Business</p>	<p>Discussed the IEEE SA Open-Source Project</p> <ul style="list-style-type: none"> • This and other working groups are looking for more information on what this is <ul style="list-style-type: none"> ○ Is it a code repository? ○ Does it have version control? ○ Can it be a schema repository? ○ Potentially a full reference implementation? • Asked Tom Thompson to investigate providing more information <p>Anticipated next steps include the following:</p> <ul style="list-style-type: none"> • Review document by each member of the working group • Further develop the UML code documentation • Work on expanding the JSON schema design • The following writing assignments were volunteered <ul style="list-style-type: none"> ○ Mark Adamiak <ul style="list-style-type: none"> ▪ Work on two control use cases, Unicast & Multicast ○ Theo Laughner <ul style="list-style-type: none"> ▪ Work on the UML code documentation ○ Nathan Wallace <ul style="list-style-type: none"> ▪ Work on the JSON schema ○ Deepak Maragal <ul style="list-style-type: none"> ▪ Review power model elements 	<p>Chair</p>

Item no.	Notes	Action by
Discussion on document development	Additional discussion on moving forward <ul style="list-style-type: none"> • Minimum operational power system element data exchanges <ul style="list-style-type: none"> ○ Is using NERC Functional Model an option? ○ Would we be allowed to use terms (CIM 61970) ○ Elements needed for the following: <ul style="list-style-type: none"> ▪ Transmission ▪ Generation ▪ Distribution • Anticipate that there are document inconsistencies due to development process spanning two years <ul style="list-style-type: none"> ○ Part of review process will be resolving inconsistencies • Discussed the inclusion of distribution data and structures <ul style="list-style-type: none"> ○ Including distribution was always anticipated ○ Included in PAR, so stay true to that ○ Need to determine key elements for supporting distribution ○ How will distribution differ or be similar to transmission? • Discussed the potential complexity of this standard <ul style="list-style-type: none"> ○ Discussed the possibility of ending up with some parts being split into a separate subpart ○ Want the initial standard to be functional, so if subparts are used they will need to be of limited scope 	Chair
Upcoming meetings	The next two in-person meetings will be: <ul style="list-style-type: none"> • Spring meeting May 8-11 in Las Vegas, NV • Fall meeting September 18-21 in Myrtle Beach, SC 	
[AGENDA ITEM 4]		
[AGENDA ITEM 5]		
[AGENDA ITEM 6]		
[AGENDA ITEM 7]		
[AGENDA ITEM 8]		
[AGENDA ITEM 9]		
ITEMS REPORTED OUT OF EXECUTIVE SESSION	n/a	
TIME OF FINAL ADJOURNMENT	11:51 AM EST	
NEXT FACE TO FACE MEETINGS	Spring PSRCC/PSCCC Meetings May 8-11, scheduled in person and hybrid in Las Vegas, NV.	
FUTURE MEETING ROOM REQUIREMENTS	Room Size for 20, Projector, web conference support, avoid P20	