

Item no.	Notes	Action by
CALL TO ORDER	The chair called the meeting to order at 3:30 CDT	Chair
INTRODUCTIONS AND QUORUM	The chair and host noted that all participants were properly identified by WebEx. As a study group, no quorum is required.	
CALL FOR PATENTS	Pre-par slides were shown	Chair
CHAIR'S REMARKS	The Chair welcomed the attendees to the meeting of the study group.	Chair
AGENDA APPROVAL	The agenda was reviewed. No additions or changes were proposed. Upon motion by Dennis Holstein, seconded by Nathan Wallace, the agenda was approved without objection.	Chair
APPROVAL OF PREVIOUS MINUTES	Upon motion by Dennis Holstein, seconded by Nathan Wallace, minutes of the January 2021 meeting were approved without objection.	Chair
Review of Copyright	IEEE SA copyright policy was reviewed	Chair
General Discussion	The chair announced that an iMeet Central site was set up for the Study Group named "PSCCC P19 – UUDEX Study Group". All past and current attendees have been provided access. The released PNNL source documents for UUDEX have been placed on the site for members to review. Additional PNNL documents will be uploaded as they are released.	Chair
General Discussion	<p>The bulk of the meeting was spent reviewing the set of concerns submitted by Ralph Mackiewicz following the January meeting. Ralph's concerns generally fell into the following broad topic areas:</p> <ul style="list-style-type: none"> • Process Related • Proposed scope of UUDEX • Consideration of existing technologies • Venue and participation <p>Specific details for the concerns are available in the presentation.</p>	Chair
General Discussion	<p>As part of the presentation, PNNL interspersed its responses following each of Ralph's major topics:</p> <ul style="list-style-type: none"> • PNNL is not proposing adoption of UUDEX as a <i>de facto</i> standard, rather expects the source material to be used to "jump start" a consensus developed standard, and will continue to seek opportunities to field test the effort • PNNL has focused on control center (and control center-like) communication, not field communication, and has explicitly excluded control capability. The applicability of UUDEX is broader than simply exchanging of real-time power system information. • PNNL did not find an existing protocol that met all of the desired capabilities (specifically the persistence of data within a pub/sub paradigm), but has leveraged as much as possible existing standard and <i>de facto</i> standard technologies, including IEC 61870 CIM for modelling power system information, broadly implemented message bus implementations for pub/.sub, and TLS with a specific certificate authority hierarchy for access and transport security. • PNNL proposes to use the IEEE Trial Use standard development to initially standardize UUDEX, and along with planned field trials use the Trial Use standard as input to a possible Dual-Logo standard with the IEC at the conclusion of the Trial Use standard development period. 	Chair

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General Discussion	<p>Following the presentation and ensuing discussion, the members of the Study Group approved the following motion made by Dennis Holstein, seconded by Jim Michaelis:</p> <p style="padding-left: 40px;">Continue the study group efforts to develop the report to P0 as expeditiously as possible and complete the report and PAR over the summer for approval by P0 in September. Once approved by P0, migrate from SG to WG.</p> <p>The motion passed with no objection.</p>	Chair
General Discussion	In order to complete the required Study Group report and develop the PAR language, web meetings will be scheduled for the summer to finalize those documents for presentation to P0 at the September meeting.	Chair
[AGENDA ITEM 6]		
[AGENDA ITEM 7]		
[AGENDA ITEM 8]		
[AGENDA ITEM 9]		
ITEMS REPORTED OUT OF EXECUTIVE SESSION	n/a	
TIME OF FINAL ADJOURNMENT	4:30 CDT	
NEXT FACE TO FACE MEETINGS	September PSRCC/PSCCC	
FUTURE MEETING ROOM REQUIREMENTS	Room Size for 25, Projector, web conference support, avoid	