



PSCC Subcommittee P1 Meeting Minutes

Designation: P1	Name: Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications. Amendment 1: Adding a TLV to indicate the latest IERS-specified UTC Leap Second Event.
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Meeting Location: Teams	Meeting Time: 10:00 CDT	Meeting Date: 2022/08/19	Minutes Revised: 2022/08/23	Minutes Approved: 2022/09/13
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PAR Submission Date: 2020-01-23	PAR Approval Date: 2020-03-05	PAR Expiration Date: 2024-12-31	Target Sponsor Ballot Date: N/A	Target Completion Date: N/A
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Presiding Officer: Chris Huntley, Chair	Recorded by: n/a	Draft Number: PC37.238a_D2.4m_003e
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Attendance:

Name		Affiliation	Attending via Phone (P) / Web (W) or Local (L)	M/CM/G
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Members	Present?			
Christopher Huntley	X	SEL	W	M
Jay Anderson	X	SEL	W	M
Galina Antonova	X	Hitachi Energy	W	M
Ken Fodero	X	SEL	W	M
Jalal Gohari	X	WSP	W	M
Nicholas Kraemer		NuGrid Power Corp	W	M
Ya-Shian Li-Baboud	X	NIST	W	M
Sakis Meliopoulos		Georgia Tech.	W	M
Bruce Muschlitz		Novatech	W	M
Benton Vandiver	X	Hitachi Energy	W	M
Harsh Vardhan	X	GE	W	M
Dean Ouelette	X	RTDS	W	G
Erin Morales	X	IEEE SA	W	G
Jeff Dagle	X	PNNL		

M: Member
 CM: Corresponding Member
 G: Guest

Minutes of meeting (continued)

Item no.	Notes	Action by
CALL TO ORDER	Performed by Chair 10:02 CDT	C. Huntley
CALL FOR PATENTS	IEEE-SA slides presented to group. Response : negative.	C. Huntley
COPYRIGHT POLICY	IEEE-SA slides presented to group.	C. Huntley
BEHAVIOR SLIDES	Participant behavior in IEEE-SA activities slides presented to group.	C. Huntley
Attendees/Quorum	8 of 11 members attending; 11 total. Quorum achieved.	All
APPROVAL OF PREVIOUS MINUTES	Minutes of 2022-07-29 meeting were displayed. The Minutes were approved.	Motion to approve from K. Fodero 2 nd J. Gohari
AGENDA APPROVAL	The proposed agenda for this meeting from the Chair was emailed to all attendees and was presented. Agenda was approved.	Motion to approve from K. Fodero; 2 nd B. Vandiver

Item no.	Notes	Action by
Presentation & Discussion	<p>Vote on approval of TLV being mandatory</p> <ul style="list-style-type: none"> • Galina: wanted to have a survey on where people stand for a “soft” understanding on making the TLV mandatory • Floor open to discussion to discuss the topic. Galina pointed out that two members were missing. • Ya-Shian: question on holdover to use the TLV. How much accurate holdover was required to be able to use the TLV (longer than 2 ms)? • A member pointed out that during holdover a clock may not be able to maintain 2 ms accuracy for the duration of the length of the TLV information interval (~3 months). • The Chair pointed out that clock models are on the market that can hold 100 ns for 3 weeks. • Galina stated that her concern was that the Amendment would give the impression that the TLV would imply holdover accuracy for longer than the capability of a clock to maintain 1 µsec accuracy. • The Chair pointed out that the 1 µsec accuracy requirement is only applicable during steady state (connected to a reference source) • Ya-Shian pointed out that clockClass and currentUTCOffsetValid would provide an understanding of the capabilities of the clock during holdover. • The Chair requested a return to the approved Agenda: Motion to approve TLV being mandatory • Galina asked that the agenda be changed to use an electronic survey rather than a vote • K Fodero moved to ask the question. Jay seconded. • Galina objected as she was withdrawing (today) her motion from the last meeting (which was in the distributed minutes and in the approved Agenda). The Chair asked B. Vandiver for clarity on the process. Benton pointed out that there was a moved and seconded and called the vote. • Galina objected. • Harsh asked for a sent-out survey. • Jay Anderson called the Vote. Galina said that the Chair and both the person moving the vote and the second represented the same company. Both K. Fodero and Jay Anderson stated that they were acting for themselves only. • We had a motion to approve the motion and a second. Galina then objected saying that she was withdrawing her request from the last meeting to hold a vote on the TLV being mandatory at this meeting and to replace that with an emailed survey. It was pointed out that the Question had been sent out in both minutes and the Agenda to the members, and that both had been approved by the members present. • Erin suggested that K. Fodero could amend his motion to perform a survey, however Ken had already dropped from the call for another engagement as he announced early in the meeting. As a result, Jay rescinded the Second. • The Chair then pointed out that the agreed-upon process to resolve questions on the Amendment was failing as new ideas were constantly being introduced, and challenged the Subgroup to finalize an acceptable Draft to be approved with a date certain and no additional changes (note: Galina proposed clarification to UTC timescale expectations that reached consensus among some subgroup members the morning of the meeting and planned to be 	<p>C. Huntley and members</p> <p>Motion to approve K. Fodero; second J. Anderson</p>

Item no.	Notes	Action by
<p>Next steps</p>	<p>Next meeting date at the Fall PSRC-PSCCC meeting.</p> <p>The minutes for today’s meeting will be distributed by email for review, to be voted on at that meeting.</p> <p>Edited documents will be sent to members.</p> <p>The WG subgroup will send a proposed Survey to the Chair for circulation, in time for review/response by the WG members before the next meeting; along with any new proposed changes to the Amendment meeting the subgroup’s consensus.</p> <p>The existing document will be sent to the IEEE editors for clean-up.</p> <p>The agenda for the next meeting will be sent out. Any changes will be incorporated and the agenda will be re-sent if required.</p>	<p>All</p>
<p>TIME OF FINAL ADJOURNMENT</p>	<p>11:32 CDT</p>	<p>Meeting adjourned.</p>