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.			
Meeting Location: Teams	Meeting Time: 10:00 CDT	Meeting Date: 2022/09/13	Minutes Revised: 2022/xx/yy	Minutes Approved: 2022/09/30
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

Presiding Officer: Chris Huntley, Chair	Recorded by: n/a	Draft Number: PC37.238a_D2.4m_003e

Attendance:

Name	Present?	Affiliation	Attending via Phone (P) / Web (W) or Local (L)	M/CM/G
Members	**Present?**			
Christopher Huntley	X	SEL	W	M
Jay Anderson	X	SEL	L	M
Galina Antonova	X	Hitachi Energy	W	M
Ken Fodero	X	SEL	W	M
Jalal Gohari		WSP	W	M
Nicholas Kraemer	X	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	L	M
Harsh Vardhan	X	GE	W	M
Tom Dahlin	X	SEL	L	G
James Formea	X	Eaton	L	G
Abdul Hamid	X		W	G
Babek Hosseini	X		W	G
Byungtae Jang, KR	X	KEPCO	W	G
Jim Michaelis	X		W	G
Erin Morales	X	IEEE SA	W	G
Craig Palmer	X	Power Comm	L	G
Tuan Tran	X	TVA	L	G
Phil Winston	X	IEEE REVCOM rep	W	G

M:Member
CM: Corresponding Member
G: Guest

Item no.	Notes	Action by
CALL TO ORDER	Performed by Chair 13:43 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. Erin Morales reviewed the Behavior slides in more detail. A question was asked and answered about the appearance of dominance	C. Huntley; E, Morales (IEEE)
Attendees/Quorum	8 of 11 members attending; 18 total. Quorum achieved.	All
APPROVAL OF PREVIOUS MINUTES	Minutes of 2022-08-19 meeting were displayed. The Minutes were approved.	Motion to approve from K. Fodero 2nd G. Antonova
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; 2nd N. Kraemer

Item no.	Notes	Action by

Presentation & Discussion	Presentation of responses to Subgroup's Poll (emailed out after the last meeting)
	
	1) Question 1: Preference on clock compliance to C37.238a
	   a. Mandatory (either A or D): 6/9
	   b. Optional or with optional ability to disable: 3/9
	   c. Request was made to the chair to go through everyone's reasons. Chair declined but later went through the reasons (submitted reasons for choices had been emailed to all Members)
	2) Question 2: Leap Event Validity bound (combining results where multiple acceptable answers were given, i.e., x or y). During the meeting one vote was changed since the voter said they had made a typo.
	   a. A – 0 (0 days; would require some delay to be defined later)
	   b. B – 0 (30 days – monthly)
	   c. C – 3 (90 days – quarterly)
	   d. D – 1 (180 days – semi-annually)
	   e. E – 4 (up to the implementation)
	   f. F – 4 (based on latest IERS Bulletin-C)
	   This may require additional discussion. Prior to typo correction, F had 3 "yea's"
	
	At this point the reasons for votes from question 1 and 2 were re-visited. Jay Anderson's reason for his vote on Question 1 was given verbally.
	
	For the Question 1, a discussion ensued about whether making the TLV mandatory for this Amendment would constrain future editions of the C37.238 standard to make the TLV mandatory in the base 238 standard. This was disputed by members and guests, the consensus being that present work may inform future revisions to a standard but it does not constrain them; if there is interest in maintaining the contents of an amendment it would likely remain and be added to the base standard, but future WGs would be free to decide to drop it.
	
	For the Question 2, with no clear majority choice the subgroup said they would review the reasons and decide how to handle this; though currently informative, the subgroup suggested that having a normative requirement could be useful.
	
	3) Question 3: preference for decrementing leapEventValidity daily
	   a. A – 7 (Always (set to maximum when receiving the latest IERS Bulletin-C))
	   b. B – 0 (Only when disconnected from primary time reference)
	   c. C – 1 (Implementation specific)
	   d. C or A – 1
	
	A discussion followed on the meaning of Choice A (which was sent out exactly as received from the subgroup). The
		C. Huntley and members

Item no.	Notes	Action by
Next steps	Next meeting date (Webex) will be September 30, 2022. A meeting invitation will be sent out today. The minutes for today's meeting will be distributed by email for review, to be voted on at that meeting. Edited documents will be sent to members. The present WG subgroup (with any other interested voting members) has been asked by the Chair to forward a subgroup-consensus-approved revised-draft (with any additional proposed changes) to him by no later than September 28. We are still waiting on a cleaned-up document from IEEE editors. The agenda for the next meeting will be sent out. Any changes will be incorporated and the agenda will be re-sent if required.	All
TIME OF FINAL ADJOURNMENT	14:55 CDT	Meeting adjourned.