

Substations C3 Working Group Meeting Minutes

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Working Group Name:					C3- Standard for SCADA and Automation				
Meeting Location: Teleconference Portland,			Meeting Time: 2:00 PM		Meeting Date: 2014/05/19		Minutes Revised:		Minutes Approved: 2014/09/17
PAR Output: Revision	PAR Output: Standard		PAR Approval Date: 2011/09/10	PAR Expiration Date: 2015/12/31		Target Sponsor Ballot Date: 2014/09		Target Completion Date: 2015/05	
Presiding Officer: Craig Preuss									
Recorded by: Craig Bryant									
Attendance:									
Name			Affiliation			Phone/Web/Local		M/CM/G	
Bougie, Jim			GPT LLC			Local		M	
Preuss, Craig			Black & Veatch			Local		M	
Bryant, Craig			Duke Energy			Local		M	
Tibbals, Timothy			SEL			Local		G	
Easley, Kevin			Black & Veatch			Local		M (requested)	
Smith, Brian			Enernex			Local		G	
Gerlach, Joshua			HDR			Local		M (requested)	
Tetreault, Luc			Hydro-Quebec			Local		G	
Jose, Rejo			PGE			Local		M (requested)	
Spiewak, Erin			IEEE-SA			Local		G	
Holstein, Dennis			OPUS Consulting			Web		G	
Liposchak, Richard			Power Engineers			Local		G	
Steele, Marcus			Steele Wave Power			Web		M	
M: Member CM: Corresponding Member G: Guest									

Item no.	Notes	Action by
CALL TO ORDER	<p>Chair Craig Preuss. The chair noted that the working group membership was updated prior to the meeting based upon meeting attendance and contributions, with the following members:</p> <p>James Bougie (present) Craig Bryant (present) Michael Dood Marc Lacroix Craig Preuss (present) Samuel Sciacca Marcus Steel (present)</p> <p>The chair declared a quorum with 4 of 7 members present.</p>	None

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CHAIR'S REMARKS	Chair welcomed members and guest. Craig reviewed the patent and copyright policies	None																						
APPROVAL OF PREVIOUS MINUTES	Minutes were reviewed by the chair with a one edit to the documentation of the membership status of Tim Tibbals from member to guest. No objections were noted and the previous meeting minutes from January 2014 were approved.	The chair to post the approved minutes.																						
AGENDA APPROVAL	Agenda was sent out to members earlier and displayed on screen at the meeting.	CP																						
Action items from last meeting	John Tengdin did not send Craig comments on 1613, no other writing assignments were completed. HMI text was to be updated and sent to the chair.	None																						
Review of writing assignments	<p>HMI text received from Marc the week previous to the meeting.</p> <table border="1" data-bbox="395 786 1034 1518"> <thead> <tr> <th data-bbox="395 786 842 819">TOPIC</th> <th data-bbox="842 786 1034 819">Writer</th> </tr> </thead> <tbody> <tr> <td data-bbox="395 819 842 853">Interfaces</td> <td data-bbox="842 819 1034 853">Craig Preuss</td> </tr> <tr> <td data-bbox="395 853 842 920">How should IEDs handle multiple masters and specifically controls?</td> <td data-bbox="842 853 1034 920">Marc LaCroix and Alan Bishop</td> </tr> <tr> <td data-bbox="395 920 842 976">Logging of high speed data and careful use of OPC</td> <td data-bbox="842 920 1034 976">Alan Bishop</td> </tr> <tr> <td data-bbox="395 976 842 1043">USB and other existing technologies that have emerged since 2007</td> <td data-bbox="842 976 1034 1043">Jim Bougie</td> </tr> <tr> <td data-bbox="395 1043 842 1077">HMI ergonomics</td> <td data-bbox="842 1043 1034 1077">Marc LaCroix</td> </tr> <tr> <td data-bbox="395 1077 842 1111">C37.1.1 requirements document</td> <td data-bbox="842 1077 1034 1111">Jim Evans</td> </tr> <tr> <td data-bbox="395 1111 842 1211">FAT/SAT updates</td> <td data-bbox="842 1111 1034 1211">Marc LaCroix Tim Tibbals Jim Bougie</td> </tr> <tr> <td data-bbox="395 1211 842 1357">Overall reference to other standards. Reference guide to some of the commonly used standards that apply to SA, IEEE 525, 1615, 1613 in a way that is just not a reference.</td> <td data-bbox="842 1211 1034 1357">Craig Preuss</td> </tr> <tr> <td data-bbox="395 1357 842 1435">System point count and handling</td> <td data-bbox="842 1357 1034 1435">Marc LaCroix</td> </tr> <tr> <td data-bbox="395 1435 842 1518">Cable handling reference to updated 525 (already being worked on)</td> <td data-bbox="842 1435 1034 1518">N/A</td> </tr> </tbody> </table>	TOPIC	Writer	Interfaces	Craig Preuss	How should IEDs handle multiple masters and specifically controls?	Marc LaCroix and Alan Bishop	Logging of high speed data and careful use of OPC	Alan Bishop	USB and other existing technologies that have emerged since 2007	Jim Bougie	HMI ergonomics	Marc LaCroix	C37.1.1 requirements document	Jim Evans	FAT/SAT updates	Marc LaCroix Tim Tibbals Jim Bougie	Overall reference to other standards. Reference guide to some of the commonly used standards that apply to SA, IEEE 525, 1615, 1613 in a way that is just not a reference.	Craig Preuss	System point count and handling	Marc LaCroix	Cable handling reference to updated 525 (already being worked on)	N/A	None
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PAR Check	Craig reviewed the PAR for C37.1 and noted that the expiration date for the PAR is 12/31/2015 and the expected completion date is 5/2015. This provides a six month ballot.	None																						

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Split Approach	<p>Jim Bougie motioned to revise the original PAR to create C37.1.1 with a scope focused on the hardware of devices and associated physical components of automation systems.</p> <p>Group discussion ensued: The group discussed methods on how to accomplish the needed work Discussion: C37.1.1 would address the roots of equipment specifications system requirements (1613, hardware, I/O interfaces) Introduce text inside C37.1.1 to explain the purpose of narrowing the scope of C37.1.1 and address the remaining concerns in the same family of C37.1.1 documents using a different PAR .</p> <p>A motion was made by Marcus Steele to revise the PAR to create C37.1.1 with a scope focused on the hardware of devices and associated physical components of automation systems.</p> <p>Motion was seconded by Craig Bryant.</p> <p>Motion was called to a vote.</p> <p>No objections or abstains were noted by the chair.</p>	<p>C3 WG chair to inform C0 at the subcommittee meeting of change in scope approved by C3 WG.</p>
	<p>Additional discussion ensued on how to proceed. The C3 WG recommends to C0 to form a task force to evaluate the content outside C37.1.1 as part of the C37.1.x series using material from C37.1- 2008 and drafted material from the working group. C0 will be informed at the C0 meeting for guidance on how to proceed.</p>	<p>Chair to ask C0 for guidance at C0 subcommittee meeting.</p>
Conference Call Meeting	<p>The group discussed how important it would be to maintain the existing schedule.</p>	<p>Chair agreed to set up Conference call meetings prior to PSRC to keep the work moving forward so that work can be completed within the timeframe of the original PAR.</p>
PAR Revision	<p>The chair stated that a PAR revision would be submitted to revise the scope and number.</p>	<p>Chair</p>
ITEMS REPORTED OUT OF EXECUTIVE SESSION	<p>No executive session was held.</p>	
NEXT FACE TO FACE MEETINGS	<ul style="list-style-type: none"> • September 8-11, 2014 <ul style="list-style-type: none"> – PSRC Meeting – Milwaukee, WI • Jan 12-15, 2015 <ul style="list-style-type: none"> – JTCM Meeting – Garden Grove, CA • May 18-22, 2015 <ul style="list-style-type: none"> – SUBS Annual Meeting – Minneapolis, MN 	