

Working Group Name:		•	d Output Require		esting Me	thodolo	gy for	
		Intelligent El	ectronic Devices (	(IEDs)				
Meeting Location:		Meeting Time: Meeting Date: Minutes		Minutes Revise	linutes Revised:		Minutes Approved:	
Garden Grove, CA		8:00 AM	2015/01/12			<u>2015/07/09</u>		
PAR Output: PAR Outpu	t:	PAR Approval Date:	PAR Expiration Date:	Target Sponsor Ballot Date: Ta 2014/09		Target Con	arget Completion Date:	
New Standar	d	2011/09/10	2015/12/31			2015/05		
Presiding Officer: Craig F	reuss							
Recorded by: Craig F	reuss							
Attendance:								
Name Bougie, Jim		Global Power T	Affiliation echnologies		Phone/Web/I	ocal	M/CM/G <b>M</b>	
Dood, Mike		SEL	Global Power Technologies				M	
Easley, Kevin		Black & Veatch			Local Local		M	
Evans, Jim		St. Claire Group			Local		М	
Falahati, Bamdad		ETAP			Local		G	
Falk, Herbert		SISCO					G	
Giarrantano, Didier		Schneider Electric			Local	ı	Requested M	
Johnson, Anthony		SCE			Local		G	
Lacroix, Marc		Vizimax			Local		М	
Preuss, Craig		Black & Veatch			Local		М	
Sciacca, Sam		IEEE-SA			Local		M	
Sharifnia, Hamid		HDR			Local	l l	Requested M	
Steel, Marcus		Steel Wave Power			Web		M	
Thibodeau, Eric		Gentec			Local		G	
Tibbals, Timothy		SEL		Local		G		
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**Substations C3 Working Group** 

Item no.	Notes	Action by		
CALL TO ORDER	The meeting was called to order by the Chair.	None		
CHAIR'S REMARKS	Chair welcomed members and guest. The attendees introduced themselves. The chair noted there was quorum.	None		
APPROVAL OF	Minutes from the September 2014 meeting were	The chair will post the		
PREVIOUS	approved.	approved minutes on the WG		
MINUTES		website.		
AGENDA	Agenda was shown to the attendees.	None		
APPROVAL				
Presentation	No presentations were made	None		
Action item #1	<ul> <li>Chair to seek approval of May 2014 meeting minutes via email</li> <li>Completed, meeting minutes posted on WG website</li> </ul>	None		
Action item #2	<ul> <li>Chair to send out ISA presentation materials to the WG</li> <li>Email sent on 2014/9/14 to active WG members via 123Signup</li> </ul>	None		
Action item #3	Addition of two members to the WG roster was not completed	Chair to add members.		
New business				
IEEE C37.92 Review	Reviewed IEEE C37.92 content pertaining to low energy analog inputs	None		
Review of writing assignments	Reviewed introductory text provided by the chair.  DC analog inputs - Craig Bryant  No input has been received from Craig on analog inputs. Mike Dood will help.  DC analog outputs - Kevin Easley  Discrete inputs - Marc Lacroix  Discrete outputs - Marc Lacroix  Marc would like help on outputs, Mike Dood agreed to help  AC analog inputs - Marcus Steel	<ol> <li>Marc and Mike to collaborate on digital outputs.</li> <li>Mike Dood will work with Craig Bryant on dc analog inputs.</li> </ol>		
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PAR Check	The Chair 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		
, ,	The Chair stated that the WG writers had not met the goal of being done with the draft by the JTCM. Biweekly meetings will be initiated again to help complete the text. Target is Mondays or Tuesdays from 4-5pm Central Time.	None		
PAR update	A decision will be made by the May meeting as to whether an extension is needed.	None		

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## Minutes of meeting (continued)

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Item no.	Notes	Action by
ITEMS REPORTED	No executive session was held.	
<b>OUT OF EXECUTIVE</b>		
SESSION		
NEXT FACE TO	<ul> <li>May 18-22, 2015</li> </ul>	
FACE MEETINGS	<ul><li>SUBS Annual Meeting</li></ul>	
	<ul><li>Minneapolis, MN</li></ul>	
	<ul> <li>September 14-17, 2015</li> </ul>	
	<ul> <li>PSRC September Meeting</li> </ul>	
	<ul><li>– San Diego, CA</li></ul>	
	<ul> <li>January 2016</li> </ul>	
	– JTCM	

Substations CO Subcommittee Minutes of Meeting