

Minutes of WG PC37.12  
Guide for Specification of Circuit Breakers  
Monday, October 15<sup>th</sup>, 2018  
15:45 – 17:30  
Kansas City Marriott Downtown, Kansas City, MO

- I Welcome
- II Introductions  
Meeting opened with 5 of 20 members and 21 guests. A quorum was NOT present.
- III A call for knowledge of essential patents was made, no respondents.
- IV No comments to the minutes from the Spring, 2018 meeting were made. Posted minutes are considered final based on lack of comments.
- V Old Business -- Activity and Electronic ballots following the Orlando meeting:
  - a. The previous meeting closed with approval from the WG to reject all remaining editorial comments and submit to Revcom.
  - b. Based on an issue raised in PC37.04 and PC37.09 WG's it was requested a small change be made to C37.12 to clarify that certain capabilities were optional rather than mandatory and could be included by the user in the purchase specification.
  - c. An electronic ballot of the WG was circulated and the change was approved 14-0 with 6 members not responding.
  - d. Following a recirculation for the above change one negative ballot was received in the phraseology although not the intent of the change. A vote of the WG voted to approve the change 11 – 1 with 8 not voting.
  - e. Recirculation 5 drew four new negative comments which were out of scope for the recirculation. The balloter approved the document regardless and marked the proposed change with “must be satisfied” = “No”. The WG voted 18 -0 with 2 not voting to reject all four comments; the balloter agreed with the rejection.
  - f. Draft 5.4 from Recirculation 5 was submitted to RevCom on 12 Oct and is on the 4 Dec. agenda.
- VI New Business: A quorum was not present to separately affirm the activities from the electronic ballots, however both a quorum and majority of WG members voted for the actions by electronic ballot. The WG chair requests that the HVCB subcommittee confirms the RevCom submission.

Attachments: (1) Membership and Attendance list

John C. Webb  
Chair

C37.12 Attendance Report Oct\_18

Subgroup	Role	First Name	Last Name	Company	10/10/17	04/24/18	10/15/18
C37.12	Chair	John	Webb	ABB	X	X	X
C37.12	Vice-Chair	Ken	Edwards	FirstEnergy Corp.			
C37.12	Member	Arben	Bufl	Hitachi T&D Solutions, Inc.	X		
C37.12	Member	Stephen	Cary	ABB			X
C37.12	Member	Chih	Chow	PEPCO	X	X	
C37.12	Member	Jeffrey	Door	The H-J Family of Companies		X	X
C37.12	Member	Robert	Foster	Megger	X		X
C37.12	Member	Raymond	Frazier	Ameren	X	X	
C37.12	Member	Todd	Irwin	GE Grid Solutions	X	X	
C37.12	Member	Joseph	Jasinski	ITC Holdings Corp.	X	X	
C37.12	Member	Thomas	Keels	Salt River Project	X	X	
C37.12	Member	Scott	Lanning	S&C Electric	X	X	X
C37.12	Member	Hua Ying	Liu	Southern California Edison	X	X	
C37.12	Member	Tom	Mulcahy	Dominion Virginia Power			
C37.12	Member	Andrew	Peterson	ABB	X	X	
C37.12	Member	Devki	Sharma	Entergy	X	X	
C37.12	Member	Michael	Skidmore	AEP	X	X	
C37.12	Member	Casey	Weeks	Siemens Energy	X		
C37.12	Member	Terrance	Woodyard	Siemens Industry Inc.		X	
C37.12	Member	Wei	Zhang	Hitachi T&D Solutions, Inc.	X	X	
C37.12	Guest	Benjamin	Abebe	Qualitrol		X	
C37.12	Guest	Syed Shahab U	Ahmed	Siemens Energy Inc			
C37.12	Guest	Roy	Alexander	RWA Engineering	X		
C37.12	Guest	Mauricio	Aristizabal	ABB			
C37.12	Guest	Brad	Armstrong	Meramec Instrument Transformer C	X	X	X
C37.12	Guest	Aasim	Atiq	Siemens Industry			
C37.12	Guest	Georges	Auguste	Ameren MO			X
C37.12	Guest	Roy	Ayers	Nashville Electric Service			
C37.12	Guest	George	Becker	POWER Engineers			
C37.12	Guest	Gautami	Bhatt	Bechtel OGC			X
C37.12	Guest	Jean-Marc	Biasse	Schneider Electric			
C37.12	Guest	Wallace	Binder	WBBinder Consultant			
C37.12	Guest	Sever	Bodea	ABB Inc			
C37.12	Guest	Anne	Bosma	ABB AB			
C37.12	Guest	Michael	Boulus	PSE&G			X
C37.12	Guest	Douglas	Brandt	Eaton Corporation			
C37.12	Guest	Steven	Brown	Allen & Hoshall			X
C37.12	Guest	Raymond	Browning	FirstEnergy Corp.			
C37.12	Guest	Eldridge	Byron	Schneider Electric			
C37.12	Guest	Donald	Cantrelle	Georgia Power			
C37.12	Guest	Vincent	Chiodo	HICO		X	
C37.12	Guest	Andrew	Chovanec	GE Power	X	X	X

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C37.12 Guest	Michael	Christian	ABB	X		
C37.12 Guest	Michael	Crawford	Mitsubishi Electric	X	X	
C37.12 Guest	Patrick	Di Lillo	Consolidated Edison Co. of NY, Inc.		X	
C37.12 Guest	Edgar	Dullni	ABB			
C37.12 Guest	Bernie	Dwyer	PECO			X
C37.12 Guest	Emily	Eftink	Burns & McDonnell			X
C37.12 Guest	Tanner	Esco	Eaton Corporation			X
C37.12 Guest	Majid	Fathi	Qualitrol		X	
C37.12 Guest	David	Feldmann	HICO America			
C37.12 Guest	Howard	Fennell	Nashville Electric Service		X	
C37.12 Guest	Philip	Fentress	Memphis Light, Gas & Water Div	X		
C37.12 Guest	Michael	Flack	Southern Company Services, Inc.			
C37.12 Guest	Sergio	Flores	Schneider Electric Inc. USA	X		
C37.12 Guest	Richard	Frye	Eaton			
C37.12 Guest	Douglas	Giraud	Powell Industries			
C37.12 Guest	Francisco	Guzman	Southern California Edison			
C37.12 Guest	John	Hall	Tennessee Valley Authority			
C37.12 Guest	John	Harley	FirstPower Group LLC			X
C37.12 Guest	Helmut	Heiermeier	ABB			X
C37.12 Guest	Christian	Heinrich	Siemens AG			
C37.12 Guest	Victor	Hermosillo	GE Grid Solutions	X	X	
C37.12 Guest	Tyler	Holp	Eaton			
C37.12 Guest	Alexander	Hoover	Siemens Industry	X		
C37.12 Guest	Jingxuan (Joann Hu		RBJ Engineering Corporation	X		
C37.12 Guest	Carl	Hummel	HICO America			
C37.12 Guest	Jennifer	Hunter	MEPPI	X	X	X
C37.12 Guest	Roy	Hutchins	Southern Company Services		X	
C37.12 Guest	Christopher	Jarnigan	Southern Company Services		X	X
C37.12 Guest	Cory	Johnson	BPA		X	X
C37.12 Guest	Amir	Khosravi	BC Hydro			
C37.12 Guest	Hong Jun	Kim	HICO		X	
C37.12 Guest	Jinho	Kim	HICO America			
C37.12 Guest	SangTae	Kim	HICO/HYOSUNG		X	
C37.12 Guest	Paul	Leufkens	Power Projects Leufkens			
C37.12 Guest	Antonio	Mannarino	PSE&G			
C37.12 Guest	Vincent	Marshall	Southern Company Services		X	
C37.12 Guest	Gary	Martin	Entergy			
C37.12 Guest	Ricardo	Martinez	CFE-LAPEM			
C37.12 Guest	Peter	Marzec	S&C Electric Co.		X	
C37.12 Guest	Joel	Mathewson	Siemens			
C37.12 Guest	Steven	May	Southern Company Services		X	X
C37.12 Guest	Frank	Mayle	Technibus, Inc.			
C37.12 Guest	Neil	McCord	KEC Precision	X		
C37.12 Guest	Timothy	McGee	Siemens Energy			
C37.12 Guest	Dave	Mitchell	Dominion Energy	X	X	
C37.12 Guest	Charles	Morse	Siemens Industry, Inc.		X	
C37.12 Guest	Nicholas	Orlando	IEEE-SA			

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C37.12 Guest	Miklos	Orosz	Myers Controlled Power		X
C37.12 Guest	Luis	Osorio	The H-J Family of Companies	X	
C37.12 Guest	Mary	Owens	Eaton	X	X
C37.12 Guest	Mark	Pattison	H-J Family of Companies	X	X
C37.12 Guest	Thomas	Pellerito	DTE Energy	X	X
C37.12 Guest	Alan	Peterson	Utility Service Corporation		
C37.12 Guest	Mark	Peterson	Xcel Energy	X	X
C37.12 Guest	John	Phouminh	PEPCO HOLDINGS, INC.	X	X
C37.12 Guest	Zachary	Pintado	Entergy		
C37.12 Guest	Iulian	Profir	Rockwell Automation		
C37.12 Guest	Ahmad	Qasem	Bechtel		
C37.12 Guest	Syed	Rahman	The United Illuminating Company		
C37.12 Guest	Robert	Ramsey	Bechtel		X
C37.12 Guest	Anthony	Ricci	FirstEnergy Corp.	X	X
C37.12 Guest	Anthony	Ricciuti	Eaton Corporation		
C37.12 Guest	Bobby	Rich	Dominion Virginia Power	X	X
C37.12 Guest	Jon	Rogers	Siemens Energy, Inc		
C37.12 Guest	Richard	Rohr	Powell Electrical Systems		
C37.12 Guest	Carl	Schuetz	American Transmission Company (ATC)		
C37.12 Guest	Jon	Schumann	American Transmission Company		
C37.12 Guest	Moin	Shaikh	Siemens	X	
C37.12 Guest	Harish	Sharma	Southern Company		
C37.12 Guest	Dean	Sigmon	Eaton Corporation		X
C37.12 Guest	Christopher	Slattery	FirstEnergy	X	X
C37.12 Guest	Erin	Spiewak	IEEE		
C37.12 Guest	Don	Steigerwalt	Duke Energy	X	X
C37.12 Guest	Dragan	Tabakovic	Meramec Hubbell Power Systems		
C37.12 Guest	Humayun	Tariq	American Electric Power		
C37.12 Guest	Henk	te Paske	KEMA Netherlands	X	
C37.12 Guest	Jey	Thayalan	Schneider Electric		
C37.12 Guest	Michael	Titus	Schneider Electric		
C37.12 Guest	Jean-Marc	Torres	Eaton Corporation		X
C37.12 Guest	Vernon	Toups	Siemens		X
C37.12 Guest	Francois	Trichon	Schneider Electric		X
C37.12 Guest	Jordan	Tsvetanoff	First Energy	X	
C37.12 Guest	James	van de Ligt	CANA High Voltage Ltd.	X	X
C37.12 Guest	Jeffrey	Ward	Doble Engineering Company	X	
C37.12 Guest	Robert	Warren	DNV GL - KEMA Laboratories	X	
C37.12 Guest	Jerry	Wen	BC Hydro		
C37.12 Guest	Matthew	Williford	Schneider Electric		
C37.12 Guest	Li	Yu	Eaton Corporation		X
C37.12 Guest	Xi	Zhu	GE Energy Management	X	
<b>Total</b>	<b>20</b>				<b>26</b>