

Minutes of WG PC37.11
Revision of Standard for Electrical Control of Circuit Breakers
Tuesday October 12, 2021
13:30 – 15:15 CDT
Via Microsoft TEAMS meeting

I. Welcome and Introductions

John Webb – Chair, Tony Ricciuti – Secretary
63 individuals present, introduced with name and affiliation.
20 out of 22 Members present and 43 guests – a quorum was present.
Approved addition to Agenda without objection

II. Mandatory meeting precursors

IEEE Patent slides were reviewed, and a call made for any individuals with knowledge of essential patents to make them known. There were none.
IEEE Copyright Policy slides were shown.

III. Previous Minutes

Minutes from 20 April meeting had been circulated by email. Motion to approve from Curtis Fraizer, Seconded by Carl Schuetz. Passed by unanimous consent.

IV. Review of Comments from Initial Ballot of Draft 1.4 of PC37.11:

Discussed task force assignments from previous meeting and reviewed progress.
Reviewed the comment resolution worksheet and working draft 1.6 incorporating those comment resolutions, including but not limited to:

- Resolved the use of “should” vs “shall” in various applications within the draft.
- Discussed moving annex B (figures) back into body because it is normative. The working group agreed to move the figures back into document from the Annex.
- Discussed removing %dc requirement from the secondary opening release paragraph. The working group approved the move with no objections.
- Discussed clause 5: Type Tests, which only includes Electromagnetic compatibility. While the working group agreed that this information is important to the user, this may not be the best location for it.

In response to comment from initial ballot, WG decided to propose liaison with PAR study group considering amendments to IEEE Std. C37.04 and IEEE Std. C37.09 to move normative requirements which have historically resided in C37.11 to appropriate clauses of C37.04, or C37.09 as applicable. It was noted that the incorporation of elements of C37.11 into C37.04 and C37.09 as applicable was in the proposed work list for the PAR Study group, but that it had been previously understood that because of the timing of the release of the documents (C37.11 and Amendment to C37.04, C37.09) that it would likely be necessary to publish C37.11 with the to be transferred material, then later amend C37.11 to remove duplicated requirements later. Chair agreed to raise the issue with HVCB subcommittee because timing of such work may result in either delay of C37.11 until amendment to C37.04 (C37.09) can be completed or a period of time when the requirements do not exist at all in any valid switchgear committee standard.

V. Next Meeting:

Next meeting to be scheduled in the Spring of 2022.
The meeting was formally adjourned at 15:15 CDT.

VI. Attachments:

- (1) Membership and Attendance list
- (2) Meeting Agenda and Presentation Slides

John C. Webb Chair

Tony Ricciuti Secretary

Op Name Role	Pref. Nam	Last Name	Company	City	State	4/30/2019	10/8/2019	5/5/2020	3/30/2021	4/15/2021	4/20/2021	10/12/2021
C37.11 Chair	John	Webb	ABB	Pawleys Island	SC	X	X	X	X	X	X	X
C37.11 Secretary	Tony	Ricciuti	Eaton Corporation	Moon Township	PA	X	X	X		X	X	X
C37.11 Member	Ted	Burse	Powell Industries, Inc	Houston	TX	X	X		X	X		X
C37.11 Member	Eldridge	Byron	Schneider Electric	Smyrna	TN		X	X		X		X
C37.11 Member	Mike	Crawford	Mitsubishi Electric	Cranberry Twp	PA	X	X	X			X	X
C37.11 Member	Pat	Di Lillo	Consolidated Edison Co. of N	New York	NY	X	X			X	X	X
C37.11 Member	Doug	Edwards	Siemens Industry, Inc.	Wendell	NC	X			X	X	X	X
C37.11 Member	Sergio	Flores	Schneider Electric Inc. USA	SMYRNA	TN	X	X	X	X	X	X	X
C37.11 Member	Curtiss	Frazier	Ameren	St. Louis	MO	X	X	X			X	X
C37.11 Member	Jen	Hunter	MEPPI	Warrendale	PA	X		X	X		X	X
C37.11 Member	Todd	Irwin	GE Grid Solutions	Smithville	MO	X	X	X	X	X	X	X
C37.11 Member	Chris	Jarnigan	Southern Company Services	Birmingham	AL	X	X	X	X	X	X	X
C37.11 Member	Andy	Keels	kEElectric Engineering	Mesa	AZ		X			X	X	X
C37.11 Member	Steve	May	Southern Company	Forest Park	GA	X		X	X	X	X	X
C37.11 Member	Andrew	Peterson	ABB	Sanford	FL	X	X	X	X	X	X	
C37.11 Member	John	Phouminh	PEPCO HOLDINGS, INC.	WASHINGTON	DC	X	X	X	X	X	X	X
C37.11 Member	Leonel	Santos	Schneider Electric	Smyrna	TN	X	X	X			X	X
C37.11 Member	Carl	Schneider	Schneider Electric	Smyrna	TN	X	X		X		X	
C37.11 Member	Carl	Schuetz	American Transmission Com	Waukesha	WI	X	X	X			X	X
C37.11 Member	Devki	Sharma	Entergy	Halifax	NS	X			X		X	X
C37.11 Member	Don	Steigerwalt	Duke Energy	Charlotte	NC	X	X	X	X	X	X	X
C37.11 Member	Will	Zhang	Hitachi T&D Solutions, Inc.	Suwanee	GA	X	X	X	X		X	X
C37.11 Guest	Mauricio	Aristizabal	Hitachi ABB Power Grids	Pittsburgh	PA							X
C37.11 Guest	Roy	Ayers	Nashville Electric Service	Nashville	TN			X			X	X
C37.11 Guest	Harm	Bannink	KEMA Netherlands	Zelhem	Other	X						
C37.11 Guest	Paul	Barnhart	Underwriters Laboratories	Walkertown	NC	X		X	X	X		X
C37.11 Guest	Stan	Billings	retired	Murrysville	PA						X	X
C37.11 Guest	Arben	Bufi	Meiden America Switchgear,	Gray Court	SC	X		X				X
C37.11 Guest	Stephen	Cary	Eaton	Mebane	NC		X					X
C37.11 Guest	Mohit	Chhabra	S&C Electric Company	Wheeling	IL	X						
C37.11 Guest	Michael	Christian	ABB	Elon	NC							X
C37.11 Guest	Luke	Collette	Duquesne Light	Pittsburgh	PA	X		X	X			X
C37.11 Guest	Jason	Cunningham	Southern States, LLC	Suwanee	GA							X
C37.11 Guest	Ellis	Curry	JTS Power Equipment	Lake Mary	FL							X
C37.11 Guest	Bernie	Dwyer	PECO	Berwyn	PA	X	X					
C37.11 Guest	Ken	Edwards	Consultant	Ellensburg	WA	X	X	X				
C37.11 Guest	Emily	Eftink	Burns & McDonnell	Kansas City	MO	X						
C37.11 Guest	Tanner	Esco	Eaton Corporation	Greenwood	SC		X				X	X
C37.11 Guest	Bruce	Fennell	Nashville Electric Service	Nashville	TN		X					
C37.11 Guest	Patrick	Fischer-Carne	JTS Power Equipment	Lake Mary	FL							X
C37.11 Guest	John	Hall	Tennessee Valley Authority	Chattanooga	TN		X	X		X	X	X
C37.11 Guest	Robert	Hanna	ABB INC	Enterprise	FL							X
C37.11 Guest	Victor	Hermosillo	GE Grid Solutions	Charleroi	PA			X	X		X	
C37.11 Guest	Neil	Hutchins	Georgia Power Company	Forest Park	GA						X	X
C37.11 Guest	Joe	Jasinski	ITC Holdings Corp.	Novi	MI	X			X		X	X
C37.11 Guest	Carl	Kurinko	ABB Inc.	North Huntingdon	PA		X					X
C37.11 Guest	Scott	Lanning	S&C Electric	Libertyville	IL	X						
C37.11 Guest	Hua	Liu	Southern California Edison	Pomona	CA		X		X	X		X
C37.11 Guest	Bill	Long	Retired	Pittsburgh	PA				X	X	X	X
C37.11 Guest	LEO	Lopez	WIKA Instrument, LP	Lawrenceville	GA						X	X

Op Name Role	Pref. Nam	Last Name	Company	City	State	4/30/2019	10/8/2019	5/5/2020	3/30/2021	4/15/2021	4/20/2021	10/12/2021
C37.11 Guest	Vincent	Marshall	Southern Company Services	Forest Park	GA	X						
C37.11 Guest	Benjamin	Marx	Sargent and Lundy	Chattanooga	TN	X	X	X				
C37.11 Guest	Pete	Marzec	S&C Electric Co.	Chicago	IL							X
C37.11 Guest	Doug	Mason	ComEd	Bolingbrook	IL	X						
C37.11 Guest	Neil	McCord	KEC Precision	Athens	GA		X	X				
C37.11 Guest	Matt	McGlone	JTS Power Equipment	Lake Mary	FL							X
C37.11 Guest	Henning	Milnikel	Siemens	Frankfurt	Other							X
C37.11 Guest	Stephanie	Montoya	Southern California Edison	west covina	CA	X						
C37.11 Guest	Ashley	Moran	IEEE Standards Association (I	Piscataway	NJ							X
C37.11 Guest	Jeff	Nelson	Tennessee Valley Authority	Chattanooga	TN					X		
C37.11 Guest	Jim	Niemira	S&C Electric Company	Chicago	IL				X			
C37.11 Guest	Joe	Nims	Allen & Hoshall	Nashville	TN			X				
C37.11 Guest	Mike	Orosz	Myers Controlled Power	Murfreesboro	TN		X					
C37.11 Guest	Mary	Owens	Eaton	Cross Hill	SC		X					
C37.11 Guest	Tom	Pellerito	DTE Energy	Detroit	MI	X	X				X	X
C37.11 Guest	Mark	Peterson	Xcel Energy	Denver	CO	X			X	X		X
C37.11 Guest	Craig	Polchinski	MEPPI	Warrendale	PA							X
C37.11 Guest	Matthew	Polk	JTS Power Equipment	Lake Mary	FL							X
C37.11 Guest	Bobby	Rich	Dominion Energy	Richmond	VA	X						X
C37.11 Guest	Jeff	Ricker	SCHNEIDER ELECTRIC	SMYRNA	TN		X		X	X	X	X
C37.11 Guest	Dave	Riffe	Westinghouse Electric Comp	New Stanton	PA	X	X					
C37.11 Guest	Grant	Ringham	BC Hydro	Burnaby	BC			X				X
C37.11 Guest	Brian	Roberts	Southern States, LLC	Hampton	GA		X					
C37.11 Guest	Sushil	Shinde	Hitachi ABB Power Grids	Mt Pleasant	PA		X	X				
C37.11 Guest	Matt	Siena	Duke Energy	Bloomington	IN							X X
C37.11 Guest	Dean	Sigmon	Eaton Corporation	Greenwood	SC		X		X	X	X	
C37.11 Guest	Mike	Skidmore	AEP	Pickerington	OH		X					X X
C37.11 Guest	Chand	Tailor	Eaton Corporation	Greenwood	SC							X
C37.11 Guest	Francois	Trichon	Schneider Electric	Saint martin d'uriag	Other	X						X X
C37.11 Guest	Jim	van de Ligt	Spark Power Corp.	Calgary	AB					X	X	X
C37.11 Guest	David	Wampler	JTS Power Equipment	Lake Mary	FL							X
C37.11 Guest	Jeff	Ward	Doble Engineering Company	Marlborough	MA							X X
C37.11 Guest	Will	Weishuhn	ABB	Monument	CO	X			X	X		X
C37.11 Guest	Jan	Weisker	Siemens AG	Berlin	Other			X				
C37.11 Guest	Jerry	Wen	BC Hydro	Burnaby	Other		X					X
C37.11 Guest	Jim	Wenzel	Eaton	Pewaukee	WI							X
C37.11 Guest	Matt	Westerdale	Bureau of Reclamation	Denver	CO							X
C37.11 Guest	Torsten	Wirz	ABB AG	Ratingen	Other		X					
C37.11 Guest	Joe	Wisnewski	UL LLC	Hurdle Mills	NC			X		X		
C37.11 Guest	Terry	Woodyard	Siemens Industry Inc.	Wendell	NC							X X
C37.11 Guest	Rich	York	Mitsubishi Electric Power Pr	Pittsburgh	PA			X				X
C37.11 Guest	Mina	Youssef	Eaton Corporation	Omaha	NE							X
C37.11 Guest	Li	Yu	EATON	Moon Township	PA			X	X		X	X
C37.11 Guest	John	Zaplatosch	UL LLC	Northbrook	IL							X
C37.11 Guest	Jim	Zhong	American Transmission Com	Pewaukee	WI	X						
Total												63

22 Members Total
 20 Members Attending
 43 Guests Attending