

Minutes of **PC37.20.2 Working Group** Fall 2021 meeting
Teams meeting on October 11, 2021
In Lieu of Reno, NV

Attendance 65 people were in attendance
21 of 25 WG members participated; thus, Quorum was met at 84% ($\geq 50\%$ or 13)
44 guests participated

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- 1) The meeting was called to order by Chair, Michael Wactor at 1:30 CDT
- 2) Introduction of members and guests – Completed via Teams participants list
- 3) Review of Patent Slides – No issues were voiced by the meeting attendees
- 4) Discussion of Copyright Rules – No issues were voiced by the meeting attendees
- 5) Old business
 - a) Ballot results: 82% return rate, 89% Approved, 9% Disapproved, 2% Abstained, ~114 comments
 - b) Comments received from ballot were combined to form draft 13 distributed before the meeting
- 6) Document Review – *draft 13*
 - a) Permission granted by consensus to allow chair to disposition all editorial comments that are not controversial without full working group review
 - b) Proposed text submitted for clause 1.1 related to the use of the word “will” was reviewed, accepted and chair will contact IEEE editorial staff to see if a PAR change is needed.
 - c) Proposed text submitted for clause 3.1 related to definition of primary disconnecting device bushing was reviewed and accepted.
 - d) Proposed text submitted for clause 5.1 related to adding letter designator for ratings was reviewed and accepted
 - e) Proposed text submitted for clause 5.2.2b related to spelling out BIL was reviewed and rejected due to no consensus in the standards and decided to address the issue in the nameplate markings clause
 - f) Proposed text submitted for clause 5.4.4 related to referenced standards was reviewed and accepted
 - g) Proposed text submitted for clause 5.5.2 related to highlighted text was reviewed and rejected
 - h) Proposed text submitted for clauses 5.5.5, 5.5.6 Table 3 related to temperatures around cables was reviewed rejected
 - i) Proposed text submitted for clause 5.9 related to reference to IEC 61869-10 was reviewed and revised to add it to the bibliography
 - j) Proposed text submitted for clause 6.1 related to location of test definitions was reviewed and revised and the text was removed
 - k) Proposed text submitted for clause 6.2 related to design tests was reviewed and accepted

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- l) Proposed text submitted for clause 6.2 related to CT ratios required was reviewed and by a 22 to 14 vote the WG decided to reject the comment
- m) Proposed text submitted for clause 6.2 related to how the items in Table 5 are related was reviewed and revised. The chair will consult IEEE editorial for suggestions
- n) Proposed text submitted for clause 6.2 in Table 5 related to separable control contacts was reviewed and accepted
- o) Proposed text submitted for clause 6.2.1 related to rod-rod gaps was reviewed and accepted
- p) Proposed text submitted for clause 6.2.1 related to aux test devices was reviewed and a task force led by P. Barnhart will create proposed test by December 15
- q) Proposed text submitted for clause 6.2.2.1.1 related to cumulative load tests was reviewed and by a 24 to 2 vote the WG decided to accept the comment
- r) Proposed text submitted for clause 6.2.2.3 related to extraneous “?” marks was reviewed and rejected
- s) Proposed text submitted for clause 6.2.2.6 related to 50Hz tests covering 60Hz was reviewed and rejected
- t) Proposed text submitted for clause 6.2.2.8 related to conductors used during temperature tests was reviewed and by a 19 to 3 vote the WG decided to revise the comment to use some variant of the 5-degree delta method while adding in limits in Table 3
- u) Proposed text submitted for clause 6.2.3 related to momentary tests was reviewed and accepted
- v) Proposed text submitted for clause 6.2.5.1 related to sizing of fuses used for test was reviewed and rejected

7) Action Items / Schedule

- a) Task group led by P. Barnhart including T. Burse, C. Taylor, and M. Siena will submit proposed text for clause 6.2.1 by December 15th
- b) Secretary will send Doodle poll for two 2-hour meetings during the second week of November to review the comments by October 15th
- c) Chair will consult IEEE editorial for suggestions for organizing Table 5 and the use of the word “will” in the scope to see if a PAR change is needed

8) Meeting adjourned at 5:35 CDT.

Reported by:

Terry Woodyard, Secretary PC37.20.2
E: Mr.Terrance.Woodyard@IEEE.org

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Attendance status as determined from Teams chat window directly following the meeting:

Last Name	First Name	Company	Role	Count
Wactor	Michael	Powell Industries, Inc	Chair	1
Woodyard	Terrance	Siemens Industry Inc.	Secretary	2
Barnhart	Paul	Underwriters Laboratories LLC	Member	3
Beauchemin	Francis	Hydro-Quebec	Member	4
Boyce	Russell	Eaton	Member	5
Burse	Ted	Powell Industries, Inc	Member	6
Byron	Eldridge	Schneider Electric	Member	7
Creach	Randall	AZZ Switchgear Systems	Member	8
Door	Jeffrey	The H-J Family of Companies	Member	9
Flack	Michael	Southern Company Services	Member	10
Flores	Sergio	Schneider Electric Inc. USA	Member	11
Gingrich	Paul	AZZ Switchgear Systems	Member	12
Gohil	Sahadev	AZZ Switchgear Systems	Member	13
Lafond	Michael	ABB	Member	14
Lizardo	Alex	JST Power Equipment	member	15
Neighbours	Terry	ABB Inc.	Member	16
Phouminh	John	PEPCO HOLDINGS, INC.	Member	17
Rohr	Richard	Powell Electrical Systems	Member	18
Sullivan	Paul	Dupont	Member	19
Swing	Donald	Powell Industries	Member	20
Taylor	Chand	Eaton Corporation	Member	21
Alvelo	Guillermo	JST Power Equipment	Guest	22
Byreddy	Sudarshan	Burns & MacDonnell	Guest	23
Cary	Stephen	GE	Guest	24
Cohn	Robert	Powercon Corp.	Guest	25
Coziuc	Fiori	S&C Electric	Guest	26
Davis	Daniel	JST Power Equipment	Guest	27
Di Michele	Federico	CESI S.p.A.	Guest	28
Edwards	Doug	Siemens Industry, Inc.	Guest	29
Esco	Tanner	Eaton Corporation	Guest	30
French	Christopher	Eaton Corporation	Guest	31
Glynn	Andrea	Xcel Energy	Guest	32
Hartzel	Ronald	Eaton Corporation	Guest	33
Haynes	Gary	ABB Inc.	Guest	34
Hines	Jared	Eaton Corp.	Guest	35
Hollander	Jason	CHA Consulting, Inc.	Guest	36
Hrncir	Dan	Eaton	Guest	37
Huang	Fang	AEP	Guest	38

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Last Name	First Name	Company	Role	Count
Keels	Thomas	KEElectric Engineering	Guest	39
Keurian	Paul	Underwriters Laboratories LLC	Guest	40
Lemmerman	David	PECO/Exelon	Guest	41
Lovins	Colby	Federal Pacific	Guest	42
McGlone	Matt	JST Power Equipment	Guest	43
McGlown	Kevin	JST Power Equipment	Guest	44
McNeal	Morgan	Xcel Energy	Guest	45
Myers	John	JST Power Equipment	Guest	46
Nybeck	Charles	Megger	Guest	47
Patel	Pathik	Duke Energy	Guest	48
Pawar	Rahul	JST Power Equipment	Guest	49
Peterson	Mark	Xcel Energy	Guest	50
Polk	Matt	JST Power Equipment	Guest	51
Ramirez Bettoni	Eduardo	Xcel Energy	Guest	52
Reddy	Santosh	Powell Industries	Guest	53
Ricciuti	Anthony	Eaton Corporation	Guest	54
Ricker	Jeffery	SCHNEIDER ELECTRIC	Guest	55
Roberson	Mark	AZZ	Guest	56
Santos	Leonel	Schneider Electric	Guest	57
Schneider	Carl	Schneider Electric	Guest	58
Siena	Matthew	Duke Energy	Guest	59
Sigmon	Dean	Eaton	Guest	60
Sims	Garett	Eaton Corp.	Guest	61
Wear	Jonathan	JST Power Equipment	Guest	62
Webb	John	ABB	Guest	63
Wilkie	William	Eaton	Guest	64
Youssef	Mina	Eaton Corporation	Guest	65