

IEEE Power & Energy Society
 Switchgear Committee
 C37.20.1 Working Group Report
 23-September-2014

The working group met on Tuesday, September 23, at 2:00PM.

Patents:

Those registered for the Switchgear Committee meeting in Asheville had to acknowledge the IEEE-SA rules on Patents, and therefore, review in this meeting is not required. The participants were reminded that anti-competitive issues are never allowed for discussions.

General:

The PAR for this project was approved by the IEEE-SA Standards Board on December 5, 2012, and is valid through 2016. A revision to the PAR to extend to include 1000 Vac was approved by the IEEE-SA Standards Board on August 21, 2014.

Members introduced themselves, identified their company and their affiliation. Total attendance was 29 persons.

Attendance included 23 working group members (of 37, with 11 absent and 3 excused), plus 10 guests. Attendance is as shown below:

Members / Affiliation	Members / Affiliation	Observers / Affiliation	Observers / Affiliation
P. Barnhart (P) - UL	J. Mizener (A) - Siemens	C. Carne (P) – Schneider	E. Spiewak (P) – IEEE-SA
J. Bowen (P) - Aramco	D. Mohla (A) – DCM Technical Consulting	J. Kaminski (P) – Siemens	H. Weiher (P) – Utility Relay
T. Burse (P) - Powell	C. Morse (P) - Eaton	R. McClarnon (P) – Utility Relay	D. Riffie (P) – Westinghouse
D. Dunne (P) - Schneider	D. Moser (A) - ABB	N. McQuin (P) – McQuin	D. Jackson (P) – ABB
D. Edwards (P) - Siemens	T. Olsen (P) - Siemens	Electric Power Consulting	D. Delfino (P) – GE
M. Flack (P) – Southern Nuclear	M. Orosz (P) – Schneider	P. Milovac (P) - IEM	M. Valdes (P) - GE
K. Flowers (P) – Siemens	R. Parthasarathi (A) -Bechtel		
P. Grein (A) – Circuit Breaker Sales	E. Peters (A) – Powell		
B. Gerzeny (A) – Powell	R. Puckett (E) – retired		
D. Groves (A) – PACS Industries	S. Reddy (A) – Powell		
T. Hawkins (P) - Siemens	R. Rohr (P) - Powell		
D. Hrcir (P) – Eaton	A. Rowell (P) - Eaton		
A. Jivanani (A) - GE	C. Schneider (P) – Schneider		
H. Josten (P) - Siemens	M. Seabrook (P) – GE		
C. Kennedy (E) - Schneider	J. Shullaw (P) – GE		
M. Lafond (P) - GE	D. Sigmon (P) - Eaton		
A. Livshitz (E) – Schneider	P. Sullivan (P) - DuPont		
F. Mayle (P) - Technibus	R. Tanner (A) - Schneider		
J. McClelland (A) – Technibus	L. Yonce (P) - Eaton		

The meeting agenda was approved by unanimous consent.

The minutes of the Spring 2014 meeting were approved as submitted. Motion was made by F. Mayle and seconded by M. Valdes. Motion passed unanimously.

Summary of initial ballot:

The first ballot closed 28-August-2014 and was successful. The summary of results is as follows:

Ballot open date: 29-Jul-2014
 Ballot close date: 28-Aug-2014

Type: Revision
Draft: D4.4
Comments: 151
Must Be Satisfied Comments: 91
Response rate:

This ballot has met the 75% returned ballot requirement.

114	eligible people in this ballot group	
86	affirmative votes	
10	total negative votes with comments	
10	negative votes with new comments	
0	negative votes without comments	
3	abstention votes (Lack of expertise: 1; Lack of time: 1; Other: 1)	
99	votes received=	86% returned 3% abstention

Approval rate:

The 75% affirmation requirement is being met.

86	affirmative votes	
10	negative votes with comments	
96	votes=	89% affirmative

Ballot comment resolution:

A document with all ballot comments (including one rogue comment submitted outside the system) was circulated on 30-August, with draft (strawman) resolutions. Those considered by the chair and vice-chair as simple to resolve were shown on the document without highlight. Those comments considered to be controversial or in need of further discussion in the working group meeting in Asheville were highlighted.

The comments were reviewed and consensus reached on the “disposition status” and “disposition details” during the meeting.

- Comment i-152: Strawman rejected. Disposition: revised, Disposition detail: add the suggested language for item d) as a new item c) as suggested in the comment.
- Comment i-94: Strawman rejected. Disposition: revised, and detail: Add to end of the first sentence in line 1705, “, and the compartment door shall be able to be closed with the circuit breaker in the disconnect position.”
- Comment i-87: A task force consisting of N. McQuin, J. Shullaw, and G. Nourse will draft an annex that reflects information from the C37.20.8 task force on shunts for inclusion in the next draft for ballot.
- Comment i-86: Disposition: revised, detail: revised to use the suggested language except with the end being “... functions shall be blocked or otherwise made inoperable”.
- Comment i-83: Revised in light of changes to i-61. Disposition: revised, detail: Delete single phase testing in line 927 (re: 6.2.4.1.1) and in line 902 (clause 6.2.4), change the sentence to “This test shall be conducted as a three phase test, except for the tests of the ground bus and the neutral bus in 6.2.4.2 and 6.2.4.3.”
- Comment i-61: Disposition: revised, detail: delete single phase testing in line 927 (re: 6.2.4.1.1) and in line 902 (clause 6.2.4), change the sentence to “This test shall be conducted as a three phase test, except for the tests of the ground bus and the neutral bus in 6.2.4.2 and 6.2.4.3.”
- Comment i-42: Disposition: rejected, detail: No change suggested and no change necessary.
- Comment i-121 and i-114: Disposition: revised, detail: replace with “... a wire no larger than no.10 AWG copper.
- Comment i-129: Disposition: revised, and detail: change to “... are located within the circuit breaker element and not accessible except by removable of barriers, guards, or covers.

The chair and vice-chair will incorporate the agreed changes into the draft, including output of the task group relative to comment i-87. Following this, the revised draft and revised list of comments with dispositions will be recirculated to the working group. After consensus, a ballot recirculation will be initiated. It is hoped that all of this can be completed such that the recirculation ballot can be launched before the end of 2014.

The meeting adjourned at 3:55PM without objection.

Report submitted by: T. A. Burse, WG Chair

Not official until approved by Working Group.