

IEEE C37.20.4 Working Group  
Meeting Minutes  
San Diego, CA  
USA October 8, 2019

1. Approval of meeting agenda

Allen Morse motioned, and Ron Hartzel seconded to approve the agenda as presented. Agenda was approved unanimously. Garrett Sims motioned, and Ron Hartzel seconded to approve the Spring meeting minutes. The minutes were approved unanimously.

2. Welcome and member attendance

The meeting was called to order by Bob Cohn, Chair at 8:00 AM. Bob welcomed the members and guests. 15 working group members of C37.20.3 and 19 guests were present. Quorum threshold was met.

3. Introduction of members and guests

Introductions were made by each C37.20.4 member and guest.

4. IEEE-SA Patent Policy

The IEEE-SA patent policy was reviewed and acknowledged during the meeting. No claims or issues were raised at the C37.20.4 Working Group meeting.

5. Update C37.20.4 Roster and Document Status

An updated C37.20.4 Roster was submitted for review and updating.

## 6. Technical Topics

Technical	2	2	42	Current Standard References C37.100.1 Current Standard uses Ur and other similar abbreviations. Newest 20.2 (2015) does not use these.	Removed References to C37.100.1		Accepted	
Technical	3	5 a)	76	Current Standard uses Rated Insulation Level and the 2001 version has Rated Lightning Impulse Withstand and Rated Power Frequency Withstand	Eliminate extra references	Yes	Accepted	
Technical	3	5 b)	77	Rated Peak Current in 2013 vs Rated Momentary in 2001	Modify to show Rated Lightning Impulse and Rate Power Frequency Withstand Voltage Rating	Yes	Accepted	
Technical	3	5 g)	82	2001 had "rms three-phase" in Rated Max. Voltage. If we are reverting back, should this be in the new standard	Modify to show Momentary in new draft	Yes	Accepted	add from 5.4.4 of C37.20.3
Technical	4	5.1	100	Rated Continuous current does not include "without exceeding specified temperature rise limits as specified in 5.4.2 below". This was removed from 2013 version	Added phrase "rms three-phase" to the new draft	Yes	Revised	Update Scope
Technical	5	5.4.1	115	Rated Continuous current does not include "without exceeding specified temperature rise limits as specified in 5.4.2 below". This was removed from 2013 version	Add phrase without exceeding specified temperature rise limits as specified . 5.4.2 below back to new draft.	Yes	Revised	Add wording from 6.5.2 for testing fuses. Look at 2001 version section 6.2.2.3
Technical	5	5.4.2	118	much of the 2013 was modified to use 100.1. It also removed the temperature table for insulating materials.	Removed 100.1 reference and re-inserted insulating materials table. Note this table may be unnecessary based on sentence on line 120: External surfaces not accessible to an operator in the normal course of duties shall have no higher a total temperature than 110 °C	Yes	Accepted	Add table back

- Request for chair to propose revised scope that includes single and two pole switches.
- Motion was presented by M. Lafond and seconded by P. Barnhardt
- Vote was approved unanimously for chair to propose change at switchgear Assemblies Subcommittee meeting of Wednesday 10/9/19
- Verbiage for scope change is attached to this document
- Add additional rows to continuous current table to cover switch with fuse testing
- Any other new business

## 7. Next steps

Chair Bob Cohn will continue identifying 100.1 references and other changes made in the 2013 version to compile a complete list. He will send out the list with suggested changes to the working group members for comments. The comments will be addressed at the Spring 2020 meeting in Reno, NA.

## 8. Adjourn

The meeting was adjourned at 9:41 AM.

Reported by Russell Boyce, secretary of C37.20.4 Working Group.

First Name	Last Name	Company	10/8/2019	Role
Robert	Cohn	Powercon Corp.	X	Chair
Russell	Boyce	Eaton	X	Secretary
Charles	Morse	Siemens Industry, Inc.	X	Member
Paul	Barnhart	Underwriters Laboratories	X	Member
Chris	Ambrose	Federal Pacific (Div. of Electro-Mechanical Corp.)	X	Member
Paul	Sullivan	DuPont	X	Member
Sahadev	Gohil	AZZ Switchgear Systems	X	Member
Ronald	Hartzel	Eaton Corporation	X	Member
Chand	Tailor	Eaton Corporation	X	Member
Michael	Lafond	ABB	X	Member
Sergio	Flores	Schneider Electric Inc. USA	X	Member
Garett	Sims	Eaton Corp.	X	Member
Andrew	Peterson	ABB	X	Member
Michael	Whitney	CSA America	X	Member
Randall	Creach	AZZ Switchgear Systems	X	Member
Miklos	Orosz	Myers Controlled Power	X	Guest
Bernie	Dwyer	PECO	X	Guest
Dave	Riffe	Westinghouse Electric Company	X	Guest
Paul	Gingrich	AZZ Switchgear Systems	X	Guest
Tom	Hawkins	Siemens Industry, Inc.	X	Guest
Peter	Kowalik	Cleveland/Price Inc.	X	Guest
Francis	Beauchemin	Hydro-Quebec	X	Guest
Donald	Swing	Powell Industries	X	Guest
Mark	Roberson	AZZ/Calvert	X	Guest
Jeffrey	Door	The H-J Family of Companies	X	Guest
Nick	Vonfeldt	Ameren Missouri	X	Guest
Torsten	Wirz	ABB AG	X	Guest
Monique	La Terreur	STACE	X	Guest
Federico	Di Michele	CESI S.p.A.	X	Guest
Mohit	Chhabra	S&C Electric Company	X	Guest
Matthew	Hetzer	PEPCO	X	Guest
Mina	Youssef	Eaton Corporation	X	Guest
Benjamin	Hohnstadt	DTE	X	Guest
Jeffery	Ricker	SCHNEIDER ELECTRIC	X	Guest