

Meeting Minutes

Meeting Date: 06 October 2020
Meeting Time: 8 AM – 12 PM CDT
Location: Online Meeting

A. Call to order

The Working Group for Low-Voltage Power Circuit Breakers was called to order at 8am CDT on October 6, 2020 by Working Group Chair, Keith Flowers.

B. Approval of agenda

The meeting agenda was reviewed approved by consent.

C. Attendance

Introductions were made of all attendees. Attendees are listed below.

Eighteen members were in attendance. Quorum was met. Attendance recorded in 123Signup.

Attendees:

Name	Company	Member/Guest
Keith Flowers	Siemens Industry, Inc.	Chair
Ted Burse	Powell Industries, Inc	Member
David Dunne	Schneider Electric	Member
Doug Edwards	Siemens Industry, Inc.	Member
Lou Grahor	Eaton Corporation	Member
Dan Hrcir	Eaton	Member
Michael Lafond	ABB	Member
James Lagree	Eaton	Member
Jeff Mizener	Siemens Industry, Inc.	Member
Darryl Moser	ABB	Member
Owen Parks	ABB	Member
Paul Rakus	Eaton	Member
Dean Sigmon	Eaton Corporation	Member
Kevin Sippel	Eaton Electric	Member
Brian Tatum	UL LLC	Member
Marcelo Valdes	ABB	Member
Greg Wiese	Schneider Electric	Member
Danish Zia	UL LLC	Member

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D. Rules and guidelines for conducting working group meetings

The attendees were reminded of the IEEE Patent Policy and Business Conduct guidelines. The IEEE Patent Policy and Business Conduct slides may be reviewed at the following website:

<https://mentor.ieee.org/myproject/Public/mytools/mob/slideset.pdf>

E. Working group P&Ps

Each Working Group must operate under a IEEE-SA approved Working Group Policies and Procedures protocol. The Task Force was reminded that the meeting would be conducted within these procedures. The approved template for the Switchgear Committee is:

https://www.ewh.ieee.org/soc/pes/switchgear/O-and-P/PES_SWG_WG_PnP_Final_2019-03-19.pdf

F. Document status report

- PAR request date: 07 May 2019
- PAR approval date: 05 Sep 2019
- PAR expiration date: 31 Dec 2023

G. New business

The following discussions were held during the Working Group meeting:

Maximum voltage

IEEE SCC21 has requested that the working group would consider increasing the maximum voltage so that maximum voltage is 110% of rated nominal voltage (i.e. maximum voltage for 600 Vac would raise from 635 Vac to 660 Vac).

The working group formed an ad hoc to work with SCC21 to understand the underlying concerns behind the request, and determine the recommended path forward. This ad hoc will consist of the following working group members:

Ted Burse	Lou Grahor	Marcelo Valdes
Clint Carne	Dan Hrcir	Danish Zia
Doug Edwards	Darryl Moser	
Keith Flowers	Kevin Sippel	

IEEE Std C37.26

Due to the relationships between IEEE Std C37.13, IEEE Std C37.26, and the type tests to be absorbed from ANSI C37.50, the content of C37.26 is a good fit for incorporation into IEEE Std C37.13.

Marcelo Valdes made the following motion:

“C37.13 recommends to LVSD to move C37.26 from a stand alone standard to C37.13 as a normative annex.”

Doug Edwards seconded the motion.
Motion carried unanimously.

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Interlocking requirements for circuit breaker adapters

Interlock requirements are described in detail in C37.20.1.

Ted Burse made the following motion:

“Move to reference to the appropriate interlock paragraph from C37.20.1 within the construction requirements clause of C37.13.”

Darryl Moser seconded the motion.

Motion carried unanimously.

Ted Burse made the following motion:

“Move to include a reference to the appropriate interlock test requirements from C37.20.1 within C37.13.”

Mike Lafond seconded the motion.

Motion carried unanimously.

Integration of ANSI C37.50 design test requirements

IEEE-SA has obtained the copyright release for ANSI C37.50 clauses 1 – 6 from NEMA. The C37.50 material will be integrated in as a new normative Annex within C37.13 to start with, creating the baseline for this C37.13 revision. A new clause within this annex will be created for the circuit breaker adapter interlock testing.

Additional topics for consideration

- EMC testing – IEEE C37.90.1 and C37.90.2 vs. UL 489 Supplement SF and SG
- Clause 7.3.2 temperature limits, and application of IEEE Std 1
- 1200 A frame size as a preferred rating

H. Upcoming Meetings

The working group intends to hold a virtual meeting before the scheduled Spring 2021 meeting, approximately in the January 2021 time frame. The Chair will submit a poll to determine the time and date for the virtual meeting.

The face-to-face Working Group meetings are held in conjunction with the IEEE PES Switchgear Committee meetings. Additional teleconferences are scheduled as needed. The upcoming Switchgear Committee meetings are tentatively planned for:

- Spring 2021 (18 April – 22 April), Hilton Charlotte University Place, Charlotte, NC
- Fall 2021 (10 Oct – 14 Oct), Peppermill Resort, Reno, NV

Specific date and locations are subject to change based on the overall Switchgear Committee schedule. IEEE PES Switchgear Committee meeting announcements and registration can be found at the following link:

http://www.ewh.ieee.org/soc/pes/switchgear/NextMeeting/Future_Meetings.html

Minutes submitted by:
Keith Flowers
WG Chair
October 6, 2020