

IEEE C37.13, Low-Voltage AC Power Circuit Breakers Used in Enclosures

Meeting Minutes

Meeting Date: 12 October 2021
Meeting Time: 8 AM – 12 PM CDT
Location: Online Meeting

A. Call to order

The meeting of the IEEE C37.13 Working Group was called to order at 8:03 am CDT by Keith Flowers.

B. Approval of agenda

Draft 1 of the proposed meeting agenda was reviewed. Motion to approve the agenda was made by Ted Burse and seconded by Mike Lafond. The proposed meeting agenda was approved by unanimous consent.

C. Approval of Spring 2021 Meeting Minutes

Draft 1 of the spring 2021 IEEE C37.13 Working Group meeting were reviewed. Motion to approve the minutes was made by Ted Burse and seconded by Marcelo Valdes. The meeting minutes were approved by unanimous consent.

D. Attendance

Introductions were made of all attendees. Attendees are listed below. Quorum was confirmed. Meeting attendance was recorded in 123Signup after the meeting.

First Name	Last Name	Company	Type
Roy	Ayers	NES Power	Guest
Ted	Burse	Powell Industries, Inc	Member
Clint	Carne	Schneider Electric	Guest
Daniel	Delfino	ABB	Guest
Doug	Edwards	Siemens Industry, Inc.	Member
Michael	Flack	Southern Company Services	Guest
Keith	Flowers	Siemens Industry, Inc.	Chair
Dave	Gohil	AZZ Switchgear Systems	Member
Lou	Grahor	Eaton Corporation	Member
Ron	Hartzel	Eaton Corporation	Guest
Dan	Hrcir	Eaton	Member
Fang	Huang *	AEP	Guest
Michael	Lafond	ABB	Member
James	Lagree	Eaton	Guest
Jeff	Mizener	Siemens Industry, Inc.	Member
Darryl	Moser	ABB	Member
Owen	Parks	ABB	Guest
Paul	Rakus	Eaton	Guest
Santosh	Reddy	Powell Industries	Guest
Richard	Rohr	Powell Electrical Systems	Guest
Dean	Sigmon	Eaton Corporation	Member

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Paul	Sullivan	DuPont	Secretary
Donald	Swing	Powell Industries	Guest
Christo	Thomas	Schneider Electric	Guest
Dhirendra	Tiwari	ABB	Guest
Marcelo	Valdes	ABB	Guest
Matt	Westerdale	Bureau of Reclamation	Guest
Greg	Wiese	Schneider Electric	Guest
Danish	Zia	UL LLC	Guest
Eddie	Wilkie	Eaton Corporation	Guest

** The asterisk indicated meeting attendees that were not registered in 123Signup at the time of meeting.*

E. Rules and guidelines for conducting working group meetings

The IEEE Patent Policy and Business Conduct slides were reviewed and are available at the following website:

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

A call for patents was made by the Chair. No declarations were made known during the meeting.

F. Working group P&Ps

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

G. Document status report

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

H. Old business

- 1200 A Frame Size as a Preferred Rating
 - Keith reviewed proposed changed for adding a 1200 A frame size as a preferred rating. The general consensus was to add the 1200 A preferred rating, however some further consideration is needed to determine the associated test conditions.

ACTION: *The Working Group is to review the strawman proposal and provide comment to the draft.*

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- Aging of lubricants task force report
 - No new activity to report.
 - Doug Edwards is Chair. Looking for volunteers who could help lead and participate in this task force.
 - The scope of this task force was to look at the impact of aging lubricants on circuit breaker performance.

No action required by the Working Group at this time (awaiting output of the AdsCom Task Force).

- EMC Ad Hoc Report
 - Jeff Mizener provided a summary of the group's work. See their meeting minutes from August 8, 2021.
 - General consensus to move towards the IEC standards and away from the IEEE C37.90.1 and C37.90.2 standards.
 - The ad hoc group will meet and work to develop language for C37.13 based on IEC language. Members of that ad hoc group are Jeff Mizner (chair), Jim Lagree, Danish Zia, Marcelo Valdes, and Christo Thomas.

ACTION: *The Ad Hoc is projected to have a full proposal for Working Group consideration by March 2022.*

- Thermal Testing Ad Hoc Report
 - Keith Flowers reported on the activities of this group.
 - The group met three times since the last working group meeting. See their meeting minutes for July 26, 2021, August 5, 2021, and August 31, 2021.
 - The group completed a significant amount of work to compare thermal testing requirements in a variety of standards (IEEE, IEC, NEMA, UL). Keith reviewed the comparison table created by the group.
 - Ted Burse provided a summary of the discussion in C37.20.2 working group concerning possibly removing the thermal testing conductor tables in C37.20.2 and just using temperature limits of the test conductors to ensure the test conductors do not influencing the thermal tests.

ACTION: *The Ad Hoc is projected to have a full proposal for Working Group consideration by March 2022.*

I. New business

There was no new business.

ACTION: *The current draft and a blank comment form will be circulated to all active participants. Comments will be considered at the next meeting.*

J. Adjourn

The meeting was adjourned at approximately 11:15 am Central time.

*Minutes submitted by:
Paul Sullivan
Secretary
October 12, 2021*