

C37.17 Working Group Minutes
IEEE STANDARD FOR TRIP SYSTEMS FOR LOW-VOLTAGE (1000 V AND BELOW) AC
AND GENERAL PURPOSE (1500 V AND BELOW) DC POWER CIRCUIT BREAKERS
JEFF MIZENER, CHAIRMAN
CLINT CARNE, SECRETARY & VICE-CHAIR

Meeting Date: 29 April, 2019
Meeting Time: 8:00AM-12:00PM, Eastern Standard Time
Location: Hilton Burlington Lake Champlain, Burlington, VT

A. Call to order

The meeting was called to order at 8:00AM EST

B. Introductions

Self-introduction with affiliations was made by attendees. 13 members and 9 guests were present. Quorum threshold was met

C. Approval of agenda

The agenda was approved by Dan Hrcir (1st) and Dave Dunne (2nd). There were no Nay votes.

D. Approval of the minutes from the previous meeting

The minutes from the previous meeting was approved by Dave Dunne (1st) and Richard Rohr (2nd). There were no Nay votes.

E. Rules and guidelines for conducting working group meetings

The patent slides downloaded from the link below were reviewed. There were no patent claims.

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

F. Working group P&Ps

All in attendance were referred to the Switchgear Committee P&P link in the case of procedural questions.

[http://www.ewh.ieee.org/soc/pes/switchgear/O-and-P/PES_WG_PP-Switchgear--approved-\(2013-09-19\).pdf](http://www.ewh.ieee.org/soc/pes/switchgear/O-and-P/PES_WG_PP-Switchgear--approved-(2013-09-19).pdf)

G. Document status report

- Current document: C37.17-2012
- Draft 0 was circulated, and 47 comments were received. These comments were integrated to create D1 which was provided to the members and guests prior to the meeting.

H. New business

- Document D1 was reviewed with the group. The group reviewed and discussed the strawman proposals resulting from the comments made to Draft 0.
 - Microprocessor-based trip system – The group discussed the topic if the work microprocessor was necessary or electronic most appropriate. Final decision was to keep the term microprocessor. The term trip unit was updated to trip system and updated throughout the document to ensure consistency within the document.
 - Undervoltage Trip Devices – The group identified the lack of a definition and the uncertainty if this was part of the trip system. The group added a definition for “Undervoltage Trip Devices” and determined that the UVR was a standalone component not part of the trip system.

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- Direct-acting overcurrent trip functions – The group discussed different types of indicators that could be used to demonstrate activity within the trip device. Several ideas were shared: colors, varying frequency, etc. The topic may be discussed further.
- Software/Firmware – The group had significant discussion around the topic of software updates to the trip system. Several areas were discussed including: who can make updates, where updates can be performed, parts of the software that can be updated, how to manage revision control and others. Further discussion is planned.

I. Conclusion

- Wrap-up and discussion of next steps
 - Jeff M. will update Draft D1 based on the comments discussed in the meeting. This will include the editorial changes documented in the “Consolidated Comments C37.17 D0”.
 - Jeff M. will circulate the updated Draft D2 prior next meeting.
 - A new Consolidated Comments C37.17 D2 form will be recirculated prior to the next meeting.
- The next in-person meeting: October 7, 2019 in San Diego, CA
- Motion to adjourn was made by Mike Flack (1st) and Tom Hawkins (2nd). Meeting ended at 12:00 pm EST

Meeting minutes respectfully submitted by Clint Carne

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Attendees:

Last Name	First Name	Affiliation	Role
Bohrer	Christopher	URC	Guest
Burse	Ted	Powel Industries, Inc	Member
Came	Clint	Schneider Electric	Vice-Chair
Dunne	David	Schneider Electric	Member
Edwards	Doug	Siemens Industry, Inc.	Member
Flack	Michael	Southern Company Services, Inc.	Member
Flowers	Keith	Siemens Industry, Inc.	Member
Grahor	Lou	Eaton Corporation	Member
Hawkins	Tom	Siemens Industry, Inc.	Guest
Hines	Jared	Eaton	Guest
Hook	Daniel	Western Electrical Services	Guest
Hmcir	Dan	Eaton	Member
Lagree	James	Eaton	Member
Livshitz	Albert	CE Power Solutions	Guest
Mizener	Jeff	Siemens Industry, Inc.	Chair
Moser	Darryl	ABB	Member
Parks	Owen	ABB	Guest
Rakus	Paul	Eaton	Guest
Rohr	Richard	Powell Electrical Systems	Member
Sigmon	Dean	Eaton Corporation	Guest
Sullivan	Paul	DuPont	Guest
Zia	Danish	UL LLC	Member
Excused Absences			
Sippel	Kevin	Eaton Electric	Guest