

PC37.17 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, VICE-CHAIRMAN

Meeting Date: 7 October 2019
Meeting Time: 8:00AM-12:00PM, Pacific Standard Time
Location: Catamaran Resort, San Diego, CA

A. Call to order

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

B. Introductions

Self-introduction with affiliations was made by attendees. 15 of 22 members present 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 Richard Rohr (1st) and Paul Sullivan (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: PC37.17_D02_2019.08.26_V0.2
- Draft 2 was circulated, and 10 comments were received.

H. New business

- Document PC37.17_D02_2019.08.26_V0.2 was reviewed with the group and discussed the strawman proposals.
 - Small updates were made to a few definitions.
 - It was identified that the only place "maximum tripping current" was used in the standard was within the definition of "direct-acting overcurrent trip system (electronic)". It was suggested that these be wordsmithed and that the word "pickup" maybe more appropriate. This topic was tabled and a proposal will be added to draft 3.
 - Section 5.2 Trip System heartbeat indication was changed to 5.2 Trip System health indication to eliminate any potential confusion.

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- Significant discussion was held on Sections 5.1 and 5.2. A key topic of discussion included how a user would know if a trip system is still actively protecting and how to convey this requirement in the standard
- Section 12.2 Trip system software updates held significant discussion. Points included if and where software updates could be made. What parts of software could be updated, e.g.: LSIG or other functions defined in Section 6.
 - UL 489 Supplement SE and UL 5500 were identified as standards to review for relevance
 - The Power System Relay Committee will be contacted to see if there are any standards in place for updating software in a protective relay.
 - A Task Force Group (sub-group of the working group) will be created to work on Section 12.2 so that a draft for that can be available for the spring meeting
 - The team includes Kevin Sippel, Paul Rakus, Lou Grahor, Dave Dunne, Dan Delfino, Jeff Mizener, Ryan McClarnon, Richard Rohr, and Darryl Moser.

I. Conclusion

- Wrap-up and discussion of next steps
 - PC37.17_D02_2019.08.26_V0.3 is to be created and released by Jeff Mizener to the Task Force Group for Software Updates
 - Section 12.2 will be rolled back to PC37.17_D02_2019.08.26_V0.2 and an Annex documenting all the comments shared for section 12 will be added
 - The Task Force Group for Software Updates will create new wording for Section 12.2 considering the comments shared prior to and during the meeting
 - An online meeting is planned in about 3 months' time to review the wording from the Task Force Group for Software Updates
 - PC37.17_D02_2019.08.26_V0.4 will be created from the outcome of the online meeting so that this file can be shared, and comments collected using the comment form prior to the spring meeting.
- The next in-person meeting: Spring 2020: Peppermill Resort, Reno, NV – May 4th to 8th, 2020
- Meeting ended at 12:00 pm PST

Meeting minutes respectfully submitted by Clint Carne

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Attendees List:

Last Name	First Name	Affiliation	Role
Bohrer	Christopher	URC	Guest
Burse	Ted	Powell Industries, Inc	Member
Carne	Clint	Schneider Electric	Secretary
Delfino	Daniel	General Electric	Member
Dunne	David	Schneider Electric	Member
Edwards	Doug	Siemens Industry, Inc.	Member
Esco	Tanner	Eaton Corporation	Guest
Flack	Michael	Southern Company Services, Inc.	Member
Flowers	Keith	Siemens Industry, Inc.	Member
Grahor	Lou	Eaton Corporation	Member
Hawkins	Tom	Siemens Industry, Inc.	Member
Hrcir	Dan	Eaton	Member
McClarnon	Ryan	Utility Relay Company	Guest
Mizener	Jeff	Siemens Industry, Inc.	Chair
Moser	Darryl	ABB	Member
Owens	Mary	Eaton	Guest
Parks	Owen	ABB	Guest
Rakus	Paul	Eaton	Member
Reyes	Roman	Bechtel	Guest
Rohr	Richard	Powell Electrical Systems	Member
Shen	Zheng	Illinois Institute of Technology	Guest
Sigmon	Dean	Eaton Corporation	Member
Sippel	Kevin	Eaton Electric	Guest
Sullivan	Paul	DuPont	Guest