

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, VICE-CHAIRMAN

Meeting Date: 15 October, 2018
Meeting Time: 8:00AM-12:00AM, Central Standard Time
Location: Kansas City, MO

A. Call to order

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

B. Introductions

Self-introduction with affiliations was made by attendees. 13 members and 11 guests were present. Quorum threshold was met.

C. Approval of agenda

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

D. Approval of the minutes from the previous meeting

The minutes from the previous meeting was approved by Doug Edwards (1st) and Dave Dunne (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
- The PAR has been approved.

H. New business

- Document has been loaded in the new template under Draft 0 with strawman proposals. The group reviewed and discussed the strawman proposals in Draft 0.
- New Section 5 "Trip system self-monitoring" strawman proposal was reviewed and refined by the working group. Discussion was had to determine if the new requirements were required (should) or recommended (shall); decision at time of meeting was *shall*.
- Concern was raised about how quickly any new requirements would be required by code. Since C37.17 is called out by UL 1066, it is UL that would need to set the dates by which new required features would be required by "code". Two strategies were identified: work with UL to define the implementation date in advance, or insert an implementation or exemption time frame directly into the standard.

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- Concern was raised to not force these updates on product already in production where updating the design would require a major redesign of the product.
- Clause 5.3 AC current sensing device integrity – Request was made to members review if there are systems in use, such that the current wording in Draft 0 would not be adequate. A focus is if the neutral is an integral part of the circuit breaker.
- Clause “AC energy harvesting circuit integrity” - Discussed but removed.
- Clause “DC current sensing circuit integrity” - Discussed but removed due to difficulty.
- New section “Energy-reducing maintenance switching-mode” was reviewed and discussed. Details were inserted into an informative appendix with the code requirement (indication) inserted as a sub-clause.

I. Conclusion

- Wrap-up and discussion of next steps:
 - § Draft 0 currently contains only the straw-man comments.
 - § Jeff will circulate the comment resolution form to capture the open topics identified in prior meetings.
 - § Note: The text copied over from the prior standard revision should also be reviewed for updates.
- The next in-person meeting: April 29, 2018 in Burlington, VT
- Motion to adjourn was made by Dan Hrnecir (1st) and Mike Lafond (2nd). Meeting ended at 11:59 am CST

Meeting minutes respectfully submitted by Clint Carne

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Attendees:

Last Name	First Name	Affiliation	Role
Barnhart	Paul	Underwriters Laboratories	Guest
Bhatt	Gautami	Bechtel OGC	Guest
Carne	Clint	Schneider Electric	Vice-Chair
Delfino	Daniel	General Electric	Member
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
Hook	Daniel	Western Electrical Services	Guest
Hrncir	Dan	Eaton	Member
Lafond	Michael	ABB	Member
Livshitz	Albert	CE Power Solutions	Guest
Mizener	Jeff	Siemens Industry, Inc.	Chair
Morse	Charles	Siemens Industry, Inc.	Member
Moser	Darryl	ABB	Member
Orosz	Miklos	Myers Controlled Power	Guest
Owens	Mary	Eaton	Guest
Parks	Owen	ABB	Guest
Rakus	Paul	Eaton	Guest
Rohr	Richard	Powell Electrical Systems	Member
Sigmon	Dean	Eaton Corporation	Guest
Sippel	Kevin	Eaton Electric	Guest
Excused Absences			
Lagree	Jim	Eaton	Member