

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: 19 April, 2021
Meeting Time: 10:15AM-3:15PM, CDT
Location: IEEE SA WebEx

A. Call to order

The meeting was called to order at 10:19AM CDT.

B. Instructions for Chairs of Standards Development Activities and IEEE SA Copyright Policy

The slides for "[INSTRUCTIONS FOR CHAIRS OF STANDARDS DEVELOPMENT ACTIVITIES](#)" and "[IEEE SA COPYRIGHT POLICY](#)" were shown to the working group. These slides can be downloaded from the links.

C. Introductions

Roll call logged in the chat window to document attendees. 18 of 22 members and 9 guests were present. Quorum threshold was met.

D. Approval of agenda

The agenda was approved by unanimous consent. There were no Nay votes.

E. Approval of the minutes from the previous meeting

The minutes from the last meeting were approved by unanimous consent. There were no Nay votes.

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_D05.0_2021.03.05_V1, circulated on 2021-03-26.
- Draft 5 was circulated prior to the meeting; 33 comments were received.

H. New business

- PC37.17_D05.0_2021.03.05_V1 was reviewed with the working group. The following were the main discussion points during the meeting:
 - Section 12.2 – “The trip system shall ensure that the transition of operation from the firmware being replaced to the replacement firmware occurs only with an open circuit breaker”
 - It was identified that there are some existing trip systems that are designed to be updated while the circuit breaker is underload, and that this should be allowed.
 - A future meeting will be scheduled to create a first draft of words for this request.
 - Section 12.2 – “Firmware updates to protection functions shall be made through local network or locally by qualified persons only with access to the circuit breaker”

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- Clarification of what the term local means is not clear. Does someone need to be physically in front of the product, or merely on site performing the update.
- A future meeting will be scheduled to create a first draft of words for this request.
- Section 5.1 – “Trip units in manufactured prior to the approval of this version of the standard are exempted from the requirements in this section.”
 - Discussion around if the WG could allow existing trip systems to be grandfathered in to not require trip system self-monitoring was discussed.
- Actions
 - Update the draft with the changes reviewed during the meeting.
 - Convene a group to discuss the two bullet points about section 12.2 noted above.
 - Request feedback from the WG for the 5.1 clause documented above.

I. Conclusion

- Wrap-up and discussion of next steps
- The PAR is on schedule. The PAR closes in 2022.
- The meeting: October 10-14, 2021 in Reno, NV
- Lunch break was taken between 12:00-1:00pm
- Meeting ended at 2:42 PM CDT

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	ABB	Member
Edwards	Doug	Siemens Industry, Inc.	Member
Flowers	Keith	Siemens Industry, Inc.	Member
Grahor	Lou	Eaton Corporation	Member
Hawkins	Tom	Siemens Industry, Inc.	Member
Hook	Daniel	Western Electrical Services	Member
Hrncir	Dan	Eaton	Member
Lafond	Michael	ABB	Member
Lagree	James	Eaton	Member
Livshitz	Albert	CE Power Engineered Services	Guest
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
Rohr	Richard	Powell Electrical Systems	Member
Sigmon	Dean	Eaton Corporation	Member
Sippel	Kevin	Eaton Electric	Member
Sullivan	Paul	DuPont	Guest
Valdes	Marcelo	ABB	Guest
Wiese	Greg	Schneider Electric	Guest
Zia	Danish	UL LLC	Member
Thomas	Christo	Schneider Electric	Guest
Tiwari	Dhirendra	ABB	Guest