

PC37.17 WG 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: 14 October 2024
Meeting Time: 8:00AM-12:00PM, CST
Location: Omni Oklahoma City, OKC, OK

A. Call to order

The meeting was called to order at 8:04AM CST by the Working Group Chair, Jeff Mizener.

B. Roll call and Disclosure of Affiliation

Attendees present stated their name and affiliation. Quorum was established with 17 of 28 members present with 30 attendees. A list of attendees (name, affiliation, and voting status) is attached.

C. Approval of agenda

Motion to approve the meeting agenda. (Mover: Lafond; Second: Rakus) The agenda was approved by unanimous consent.

D. IEEE SA Copyright Policy/IEEE Participant Behavior

The IEEE SA Copyright Policy slides and the Participant Behavior slides were distributed to participants prior to the meeting. Participants were asked if anyone had not seen the slides and no one responded. Link to slides below.

[IEEE Copyright Slideset](#)

E. IEEE SA Patent Policy: Call for Patents

The call for patents was issued. Link to slides below.

[IEEE Patent Policy Slideset](#)

F. Approval of Spring 2024 meeting minutes

Motion to approve the minutes from Spring 2024 working group meeting. The Spring 2024 meeting minutes were unanimously approved without objection.

[S24 LVSD C37.17 WG Minutes R01.pdf](#)

G. Working group P&Ps

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

[IEEE Working Group P&P Slideset](#)

H. Document status report

- C37.17-2022 was approved and has been published.
- The PAR expires on 31 December 2027.

I. New business

- WG discussed if Indirect Acting Trip Systems should be added to the scope of C37.17. **Motion to add Indirect Acting Trip Systems.** (Mover: Lafond; Second: Zia) The motion was approved by unanimous consent.
- Additional definitions were added/modified for definitions using the terms "indirect-acting".
- Additional topics identified to be addressed in the future were...
 - WG discussed moving electromechanical information to an Annex
 - Trip system response curves

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- Batteries used as “supplemental power source”
- How should an indirect trip system respond if external power is lost?
- Marking requirements for indirect-acting devices
- 6.1 to be changed from a dashed list to a numerical list
- Trip Systems for DC: direct & indirect
- Create an Annex discussing the application of indirect-acting trip systems

J. Old business

The following items were on the agenda but were not reviewed due to lack of time.

- Propose a path to reconcile the apparent contradiction between C37.13 & .17: Draft 12 of C37.13 contains an Informative clause (D.1.3.1) which contains the following text:
 - Pickup setting of the long-time-delay elements may be provided above the continuous current ratings of the trip device for the purpose of maintaining circuit continuity during overload conditions. Supplemental overload current protection should be applied to prevent long-term operation with currents above the lesser of either the direct-acting overcurrent trip device current rating or the continuous current rating of the circuit breaker.
- Currently, C37.17, Clause 6.2 contains the following text:
 - The maximum pickup setting for a long-time tripping function shall not exceed the continuous current rating of the circuit breaker frame.
- Add text to Clause 5.2 covering failed software updates based on historical WG efforts.
- Draft text covering whether “core protections” (L, S, I, & G) can be updated.
- Discuss how best to coordinate with C37.13 with respect to time-current curve documentation/representation. Draft 15 is currently in comment resolution.
- Per Doug Edwards, electromechanical trip devices are still being manufactured for niche applications (nuclear). Removing their performance requirements requires a PAR revision. Readers will be referred to C37.17-2022.
- Review definitions: “pickup (of a trip device)” and “pickup setting” – ensure proper use.
- Draft text of how to reference UL 5500 (using 1699 as reference) – Completed by Danish Zia, revise document to reflect.

K. Conclusion & Future Working Group Meetings

- The Working Group Chair, Jeff Mizener, will create a new draft with strawman language on topics identified during the WG.
- A virtual meeting will be called before the next in-person meeting.
- The next planned in-person meeting: Spring 2025 – April 6-11, Wyndham Grand Orlando Resort Bonnet Creek, Orlando, FL

L. Adjourn

Meeting adjourned at 12:01PM CST

(Mover: Mike, Lafond; Second: Paul, Rakus. Motion passed to adjourn.)

Meeting minutes recorded by Clint Carne

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Attendees List:

Last name	First name	Affiliation	Voting Status
Blake	Randy	Schneider Electric	Voting Member
Bohrer	Chris	Utility Relay Company	Non-Voting Member
Burns	Robert	Eaton Corporation	Voting Member
Carne	Clint	Schneider Electric	Voting Member
Chhabra	Mohit	S&C	Non-Voting Member
Delfino	Daniel	ABB Ltd.	Voting Member
Doroz	Arkadiusz	Eaton Corporation	Voting Member
Edwards	Doug	Siemens Industry, Inc.	Non-Voting Member
Flowers	Keith	Siemens Industry, Inc.	Voting Member
Foster	Marc	Schneider Electric	Non-Voting Member
Grahor	Lou	Eaton Corporation	Voting Member
Hardy	Erin	Eaton Corporation	Voting Member
Hawkins	Tom	Siemens Industry, Inc.	Non-Voting Member
Hrncir	Dan	Eaton Corporation	Voting Member
Hunt	Terry	Westinghouse	Non-Voting Member
Kaminski	John	Siemens Industry, Inc.	Non-Voting Member
Lafond	Mike	UL Solutions	Voting Member
Mizener	Jeff	Siemens Industry, Inc.	Voting Member
Moser	Darryl	ABB	Voting Member
Olivares	Roberto	Siemens Industry, Inc.	Non-Voting Member
Parks	Owen	ABB Ltd.	Voting Member
Rakus	Paul	Eaton Corporation	Voting Member
Rowell	Amy	Schneider Electric	Non-Voting Member
Ruiz	Eduardo	Eaton Corporation	Non-Voting Member
Schuetz	Robert	Eaton Corporation	Non-Voting Member
Sell	Jason	Switchgear Power Systems	Non-Voting Member
Tatum	Bryan	UL Solutions	Voting Member
Thomas	Christo	Schneider Electric USA Inc	Voting Member
Weishuhn	Will	ABB	Non-Voting Member
Zia	Danish	UL Solutions	Voting Member

Remember: Contact the Chair & Secretary to request Voting Member status.