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12 December 2005

M. Dean Sigmon  
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Re: PC37.17 - Standard for Direct-Acting Trip Systems for Low-Voltage (up to 635 V) AC and General Purpose Low Voltage (up to 325 V) DC Power Circuit Breakers

Dear M. Dean:

I am pleased to inform you that on 07 December 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/C37-17.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at [j.haasz@ieee.org](mailto:j.haasz@ieee.org) no later than 07 March 2006.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at [j.haasz@ieee.org](mailto:j.haasz@ieee.org).

Sincerely,

Jodi Haasz  
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# PAR FORM

**PAR Status:** Revision PAR

**PAR Approval Date:** 07 December 2005

**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** PC37.17

**2. Sponsor Date of Request:** 2005-10-03

**3. Type of Document:** Standard for

**4. Title of Document:**

**Draft:** Standard for Direct-Acting Trip Systems for Low-Voltage (up to 635 V) AC and General Purpose Low Voltage (up to 325 V) DC Power Circuit Breakers

**5. Life Cycle:** Full-Use

**6. Type of Project:**

**6a. Is this an update to an existing PAR?** No

**6b. The Project is a:** Revision of Std C37.17-1997

**7. Working Group Information:**

**Name of Working Group:** Trip Systems for LV PCBs Working Group

**Approximate Number of Expected Working Group Members:**12

**8. Contact information for Working Group Chair:**

**Name of Working Group Chair:** Jeff Mizener

**Telephone:** +1 817 652 6437 **FAX:** +1 678 297 8624

**Email:** jeff.mizener@ieee.org

**9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:**

**Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:**

**Telephone:** **FAX:**

**Email:**

**10. Contact information for Sponsoring Society or Standards Coordinating Committee:**

**Name of Sponsoring Society and Committee:** IEEE Power Engineering Society Switchgear

**Name of Sponsoring Committee Chair:** Jeffrey H Nelson

**Telephone:** 423 751 8275 **FAX:** 423 751 6238

**Email:** jeffnelson@ieee.org

**Name of Liaison Rep. (if different from the Sponsor Chair):** M. Dean Sigmon

**Telephone:** 843-413-4707 **FAX:** 843-413-4850

**Email:** michael.d.sigmon@us.abb.com

**Name of Co-Sponsoring Society and Committee:****Name of Co-Sponsoring Committee Chair:****Telephone: FAX:****Email:****Name of Liaison Rep. (if different from the Sponsor Chair):****Telephone: FAX:****Email:****11. The Type of ballot is:** Individual Sponsor Ballot**Expected Date of Submission for Initial Sponsor Ballot:** December 2006**12. Projected Completion Date for Submittal to RevCom:** December 2008**Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:****13. Scope of Proposed Project:**

This standard pertains to the requirements for direct acting current and voltage protective functions of:

- 1) direct-acting overcurrent electro-mechanical trip devices
- 2) direct-acting overcurrent electronic trip system
- 3) reverse-current trip systems
- 4) undervoltage trip devices

that are integral with low voltage AC and DC power circuit breakers covered by ANSI/IEEE C37.13, ANSI/IEEE C37.14, and ANSI C37.16. Additional information, communication and/or additional internal or external protective functions or devices are not covered by this standard. This standard should not be interpreted to restrict the inclusion of such functionality in the device.

**Is the completion of this document contingent upon the completion of another document?**

No

**14. Purpose of Proposed Project:**

The purpose of this project is to bring the standard up-to-date and to correct several serious changes to the text which were made during the publishing process after the final balloting in 1996. These changes rendered the standard incomplete and inaccurate. Additionally, since the document was transferred from NEMA to IEEE in 2002, it must be brought into compliance with the formatting and titling requirements of IEEE-SA standards.

**15. Reason for the Proposed Project:**

The standard, as it stands, does not reflect the terminology or technology currently in use in the industry. Bringing the standard up-to-date, to reflect current practice as well as to retain important historical information will require general revisions to reflect the capabilities of modern electronic tripping systems. These modern systems may have extended capabilities compared to historic systems. In addition, changes to the requirements must be coordinated with changes to related standards, including C37.13, C37.27, C37.16, and C37.14, which are presently under revision or on which revision efforts may begin shortly. This document can be revised

prior to finalization of revision projects on the mentioned standards. The stakeholders in this effort are the manufacturers and users of the products covered by this standard as well as the power system consultants who apply those products in the planning and specification of the systems for the end users. For our purposes, users would be defined as both manufacturers of equipment which incorporates these devices and the end-user of the equipment. All groups would benefit from having a standard which would provide an up-to-date common ground from which to operate. The current version of the standard is missing sections and relies heavily on terminology which has long since gone out of active usage in the industry.

**16. Intellectual Property:**

- a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-10-03
- b. Is the sponsor aware of copyright permissions needed for this project?** No
- c. Is the sponsor aware of trademarks that apply to this project?** No
- d. Is the sponsor aware of possible registration activity related to this project?** No

**17. Are there other documents or projects with a similar scope?** No

**Similar Scope Project Information:**

**18. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization?** No

**If yes, the following questions must be answered:**

**Organization Name?**

**Technical**

**Committee**

**International**

**Contact**

**Information?**

**19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety?** No

**If yes, please explain:**

**20. Sponsor Information**

**a. Is the scope of this project within the approved/scope/definition of the Sponsor's Charter?** Yes

**If no, please explain:**

**b. The Sponsor's procedures have been accepted by the IEEE-SA Standards Board Audit Committee?** Yes

**21. Additional Explanatory Notes: (Item Number and Explanation)**

Item #4 - The previous title was Standard for Trip Devices for AC and General Purpose DC Low Voltage Power Circuit Breakers. The word "Devices" has been changed to "Systems" and the voltage range has been included in the title.

Item #13 - The titles of the documents referenced are as follows: C37.13 - IEEE Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures C37.14 - IEEE Standard for Low-Voltage DC Power Circuit Breakers Used in Enclosures C37.16 - Low-Voltage Power Circuit Breakers and AC Power Circuit Protectors - Preferred Ratings, Related Requirements, and Application Recommendations