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12 December 2005

Bill Chiu  
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Re: PC57.13.5 - Standard of Performance and Test Requirements for Instrument Transformers of a Nominal System Voltage of 115 kV and Above

Dear Bill:

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/C57-13-5.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:** PC57.13.5

**2. Sponsor Date of Request:** 2005-06-14

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

**4. Title of Document:**

**Draft:** Standard of Performance and Test Requirements for Instrument Transformers of a Nominal System Voltage of 115 kV and Above

**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 C57.13.5-2003

**7. Working Group Information:**

**Name of Working Group:** Instrument Transformers Subcommittee

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

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

**Name of Working Group Chair:** Pierre Riffon

**Telephone:** 514-840-3000 x-3424 **FAX:** 514-840-4320

**Email:** riffon.pierre@hydro.qc.ca

**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:** Ross D McTaggart

**Telephone:** 416-751-8570 x127 **FAX:** 416-751-6952

**Email:** RossDM@ca.trenchgroup.com

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

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

**Name of Sponsoring Committee Chair:** Kenneth S Hanus

**Telephone:** 972-273-3638 **FAX:** 972-273-3603

**Email:** ken.hanus@ieee.org

**Name of Liaison Rep. (if different from the Sponsor Chair):** Bill Chiu

**Telephone:** 626-308-6086 **FAX:** 626-308-6930

**Email:** bill.chiu@sce.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:** September 2007**12. Projected Completion Date for Submittal to RevCom:** October 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 applies to single-phase instrument transformers of a nominal system voltage of 115 kV and above with capacitive insulation system for line-to-ground connection and for both indoor and outdoor application. This standard is intended for use as a supplement to IEEE Std C57.13 and as a basis for performance and safety of equipment. It also describes test sequences, criteria, methods and documentation for the test.

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

No

**14. Purpose of Proposed Project:**

The purpose of this standard is to supplement the IEEE Std C57.13 - IEEE Standard Requirements for Instrument Transformers with specific requirements to single-phase instrument transformers of a nominal system voltage of 115 kV and above, with capacitive insulation system for line-to-ground connection and for both indoor and outdoor application.

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

The reason for this project is to revise the trial-use standard with up-to-date information and bring the document to full standard. The changes will include: a) Up-to-date requirements of performance characteristics and test for instrument transformers of a nominal system voltage of 115 kV and above b) Information related to test procedures, which have not been adequately covered in the present standard, and c) Information related to the new test items. The revised Standard will include additional clauses consistent with the original purpose. The manufacturers and users of high voltage instrument transformers. The user group include electric power utilities, independent power producers, power network operators, high voltage test laboratories, and research facilities.

**16. Intellectual Property:****a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-03-15

- 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?** Do not know at this time

**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)**

14. The purpose of the revision is to introduce several new requirements. The ones presently under consideration include requirements for current transformers for capacitor bank unbalance protection, terminal temperature rise and transient response. There will also be modifications to existing clauses based on feedback from users.