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31 March 2006

Bill Chiu  
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Re: PC57.12.38 - Standard for Padmounted Type, Self-Cooled, Single Phase Distribution Transformers; High Voltage, 34500 GrdY/19920 Volts and below, Low voltage, 240/120 Volts; 167 kVA and smaller

Dear Bill:

I am pleased to inform you that on 30 March 2006 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/C57-12-38.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 28 June 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:** Modified New PAR  
**PAR Approval Date:** 30 March 2006  
**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** PC57.12.38

**2. Sponsor Date of Request:** 2006-02-13

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

**4. Title of Document:**

**Draft:** Standard for Padmounted Type, Self-Cooled, Single Phase Distribution Transformers; High Voltage, 34500 GrdY/19920 Volts and below, Low voltage, 240/120 Volts; 167 kVA and smaller

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

**6. Type of Project:**

**6a. Is this an update to an existing PAR?** Yes

**If Yes: Indicated PAR number/approval date:** C57.12.38 - 2005-08-11

**If Yes: Is this Project in Ballot now?** No

**6b. The Project is a:** New Standard

**7. Working Group Information:**

**Name of Working Group:** Distribution Subcommittee

**Approximate Number of Expected Working Group Members:**40

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

**Name of Working Group Chair:** Ali A Ghafourian

**Telephone:** 731-285-9121 **FAX:** 731-287-4126

**Email:** aghafourian@ermco-eci.com

**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:** Ignacio Ares

**Telephone:** (305) 485-6517 **FAX:** (305) 485-6377

**Email:** ignacio\_ares@fpl.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:** Don J Fallon

**Telephone:** 973-430-8191 **FAX:** 973-624-0926

**Email:** donald.fallon@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:** November 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 covers certain electrical, dimensional, mechanical characteristics and safety requirements of single-phase, 60 HZ, liquid filled, self-cooled, padmounted, compartmental-type distribution transformers. These transformers are rated 167 kVA and smaller, with the high voltages of 34 500 GrdY/19 920 volts and below for operation between one phase and grounded neutral, and low voltage of 240/120 volts. These transformers are generally used for step-down purposes from an underground primary cable supply. This standard covers the connector, bushing and terminal arrangements for radial or loop feed systems. This standard does not cover the electrical and mechanical requirements of any accessory devices that may be supplied with the transformer.

**Is the completion of this document contingent upon the completion of another document?** No

**14. Purpose of Proposed Project:**

This standard is intended to define the electrical, mechanical, dimensional, performance and interchangeability requirements of the transformers covered under this standard and to assist in the proper selection of such equipment. These requirements will provide a more standard transformer design which will benefit manufacturers by reducing the number of designs. Users will be provided a document which can be used to purchase a transformer of standard design, without having to develop any additional standards. This will be helpful to less experienced users. It also will promote standardization of these types of transformers. This standard will replace C57.12.21 & C57.12.25.

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

The development of this standard will take similar requirements from two previous standards (C57.12.21 & C57.12.25) and combine them into one document. Both of these documents cover transformers of the same voltage and kVA range except one is for transformers using primary separable insulated bushings and one is for transformers with primary bushings. This standard will take advantage of commonalities between the two types of transformers and provide the users and manufacturers with one document for both types. This will also provide for easier standard maintenance in the future. Also the standard needs to be updated with input provided from the users of the current standards. The stakeholders of this standard will include the utility users, equipment manufacturers and other persons specifying and using this type of equipment.

**16. Intellectual Property:**

- a. **Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2004-10-25
- 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)**

Item #4 - The voltage range in part of the title has been changed from 480 Volts and below to 240/120 Volts.

Item #13 - The change in the voltage range has been reflected in the scope. There is no other change to the scope.

The two documents referenced in 15 are two standards previously published by NEMA and subsequently transferred to IEEE. This standard will replace C57.12.21 and C57.12.25, which will be withdrawn when this document is approved, if they have not already been withdrawn.