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28 February 2007

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Re: PC57.12.24 - Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below

Dear Bill:

I am pleased to inform you that on 27 February 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2011. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/C57-12-24.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 s.hampton@ieee.org no later than 28 May 2007.

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 +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

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PAR Request Date: 16 January 2007**PAR Approval Date:** 27 February 2007**PAR Signature Page on File:** Yes**Type of PAR:** Revision to IEEE Standard**Status:** Revision to an Existing IEEE Std C57.12.24-1994**Root Project:****1.1 Project No.:** **C57.12.24****1.2 Type of Document:** Standard**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Standard for Submersible, Three-Phase Transformers, 3750 kVA and Smaller: High Voltage, 34 500 GrdY/19 920 Volts and Below; Low Voltage, 600 Volts and Below

3.1 Working Group Name [Underground TR & NW Protect - UG 3-0 Dist Xfmr <=2500kVA Working Group](#)**Working Group Chair**[Termini, Giuseppe](#)

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Working Group Vice Chair**3.2 Sponsor**[IEEE Power Engineering Society Transformers \(PE/TR\)](#)**Sponsor Chair**[Fallon, Don J](#)

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Name of Standards Liaison Representative (if applicable)[Chiu, Bill](#)

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3.3 Joint Sponsor**4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** March 2008**4.3 Projected Completion Date for Submittal to RevCom:** October 2008**5.1 Approximate number of people expected to work on this project:** 25

5.2 Scope: This standard covers certain electrical, dimensional, and mechanical characteristics and takes into consideration certain safety features of three-phase, 60-Hz, liquid-immersed, self-cooled, submersible transformers with separable insulated high-voltage connectors. These transformers are rated 3750 kVA and smaller with high voltages of 34 500GrdY/19 920 volts and below and with low voltages of 600 volts and below. These transformers are generally used for step-down purposes from an underground primary cable supply. These transformers are typically installed in an enclosure below ground level, operated from above and suitable for continuous submerged operation.

Old Scope: 1.1 This standard is intended to set forth characteristics relating to performance, limited electrical and mechanical interchangeability, and safety of the equipment described, and to assist in the proper selection of such equipment. NOTE — Refer to the latest Federal Regulations concerning polychlorinated biphenyls (PCB) contamination in transformers. 1.2 This standard describes certain electrical and mechanical characteristics and takes into consideration certain safety features of three-phase, 60-Hz, liquid-immersed, self-cooled, underground-type distribution transformers rated 2500 kVA and smaller with high voltages of 34 500GrdY/19 920 volts and below and with low voltages of 480 volts and below. These transformers are generally used for step-down purposes from an underground primary cable supply and are suitable for occasional submerged operation. 1.3 This standard does not cover the electrical and mechanical requirements of any accessory devices that may be supplied with the transformer.

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

5.4 Purpose: The previous document did not include a purpose. This standard is intended for use as a basis for establishing the performance, electrical and mechanical interchangeability, and safety of the equipment covered, and to assist in the proper selection of such equipment.

Old Purpose:

5.5 Need for the Project: The standard is being revised to add additional mechanical and electrical requirements for the manufacturing of three-phase, submersible distribution transformers. The existing standard lacks specific mechanical and electrical requirements required to manufacture these units and it is ambiguous on some of the existing requirements. Both end users (mostly utilities) and manufacturers will benefit since the new revision will resolve some of the ambiguity and provide additional guidance in regard to mechanical and electrical requirements.

5.6 Stakeholders for the Standard: The stakeholders are electric utilities, commercial and residential customers and manufacturers of distribution transformers.

6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes **Presented Date:** 2006-10-23
If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No
If yes, please explain:

6.1.c. Is the Sponsor aware of possible registration activity related to this project? No
If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No
If yes, please explain:

Sponsor Organization:
Project/Standard Number:
Project/Standard Date: 0000-00-00
Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? Do not know at this time
Technical Committee Name and Number:
Contact person:
Contact person Phone Number:
Contact person Email Address:

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

8.1 Sponsor Information:

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

If no, please explain: