Email This Letter

12 September 2003

Tom Prevost
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One Gordon Mills Way
St. Johnsbury, VT 05819
tprevost@ehv-weidmann.com

Re: PC57.21 - Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA

Dear Tom:

I am pleased to inform you that on 11 September 2003 the IEEE-SA Standards Board approved the above referenced project until 31 December 2007. A copy of the file can be found on our website at http://standards.ieee.org/board/nes/projects/C57-21.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 5.1.2f 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 no later than 9 December 2003.

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.

Sincerely,

Jodi Haasz
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PAR FORM

PAR Status: Revision PAR
PAR Approval Date: 2003-09-11
PAR Signature Page on File: Yes
Review of Standards Development Process: No

1. Assigned Project Number: C57.21

2. Sponsor Date of Request: 2003-06-20

3. Type of Document: Standard for

4. Title of Document:
Draft: Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA

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 C57.21-1990

7. Contact Information of Working Group:
Name of Working Group: Working Group for the Revision of IEEE C57.21
Name of Working Group Chair: Richard F Dudley
Telephone: 416-298-8108 **FAX:** 416-298-4387
Email: richardd@ca.trenchgroup.com

8. Contact Information of Official Reporter (If different than Working Group Chair)
Name of Official Reporter: (if different than WG contact)
Telephone: FAX:
Email:

9. Contact Information of Sponsoring Society or Standards Coordinating Committee:
Name of Sponsoring Society and Committee: Power Engineering Society Transformers
Name of Sponsoring Committee Chair: Hyeong Jin Sim
Telephone: 919-580-3234 **FAX:** 919-580-3247
Email: jin.sim@waukeshaelectric.spx.com
Name of Liaison Rep. (If different than Sponsor Chair): Tom Prevost
Telephone: 802-751-3458 **FAX:** 802-748-8029
Email: tprevost@ehv-weidmann.com

10. The Type of ballot is: Individual Sponsor Ballot
Expected Date of Submission for Initial Sponsor Ballot: 2005-12-20

11. Fill in Projected Completion Date for Submittal to RevCom: 2006-12-20

Explanation for Revised PAR that Completion date is being extended past the original four-year life of the PAR:

12. Scope of Proposed Project:

The current standard applies to all oil-immersed or dry-type, single phase or three phase outdoor or indoor shunt reactors rated over 500 kVA. The revision process will address comments received with negative ballots and approved with comments ballots during the 2002-3 reaffirmation process. In addition 2 new annexes will be added to the

document, one covering thyristor controlled dry-type air-core shunt reactors used in static VAR compensators and the other addressing dielectric switching stresses seen by shunt reactors during switching operations. These annexes are being added as a result of needs within the power industry.

13. Purpose of Proposed Project:

The primary purpose of the original document was to define recommended tests and test procedures for oil-immersed and dry-type air-core shunt reactors rated over 500 kVA. The document also included information on the application of shunt reactors. The revision of C57.21 will address testing issues raised in comments during the recent reaffirmation process. In response to needs expressed by "end users", application information will be expanded to include dielectric stresses experienced by shunt reactors during switching; an annex will be utilized. Additionally C57.21 has been used on an "adhoc" basis by the power industry in the manufacture, testing and application of thyristor controlled shunt reactors. An annex will be added to formally cover this application.

14. Intellectual Property:

Sponsor has reviewed the IEEE patent policy with the working group? Yes
Sponsor is aware of copyrights relevant to this project? Yes
Sponsor is aware of trademarks relevant to this project? Yes
Sponsor is aware of possible registration of objects or numbers due to this project? Yes

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

Similar Scope Project Information:

16. Is there potential for this document (in part or in whole) to be submitted to an international organization for review/adoption? Do not Know

If yes, please answer the following questions:

Which International Organization/Committee?

International Contact Information?

17. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain, in five sentences or less. No

18. Additional Explanatory Notes: (Item Number and Explanation)