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06 December 2006

Bill Chiu  
Southern California Edison  
501 South Marengo Avenue  
Alhambra, CA 91802  
bill.chiu@sce.com

Re: PC57.12.91 - IEEE Standard Test Code for Dry-Type Distribution and Power Transformers – Amendment 1

Dear Bill:

I am pleased to advise you that your request to withdraw the above referenced project was approved by the IEEE-SA Standards Board on 06 December 2006. Since this project was withdrawn, it is no longer an authorized project. Therefore, any future work performed on this project will not be covered by IEEE's indemnity policy.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at [s.hampton@ieee.org](mailto:s.hampton@ieee.org).

Sincerely,

Sherry Hampton  
Administrator, Governance  
Standards Activities  
Phone +1 732 562 6003  
FAX +1 732 875 0695  
Email: s.hampton@ieee.org

CC: donald.fallon@ieee.org, stds-pes-scc@ieee.org, dfoster@olsun.com



"Derek Foster"  
<dfoster@olsun.com>

10/16/2006 04:53 PM

Please respond to  
<dfoster@olsun.com>

To <S.Hampton@ieee.org>

cc

bcc

Subject RE: PC57.12.91a Comment Received from NesCom Member

History:

This message has been forwarded.

Dear Sherry

The document we would like to revise is as follows:

C57.12.91 (expiration date: 2001) Standard Test Code for Dry-Type  
Distribution and Power Transformers

Please withdraw the PAR for the following document:

C57.12.91a (expiration date: 2009) IEEE Standard Test Code for Dry-Type  
Distribution and Power Transformers ? Amendment 1.

Sorry for the confusion.

Derek Foster  
Working Group Chairman

Phone: 815-678-2421  
Fax: 815-678-4909

-----Original Message-----

From: S.Hampton@ieee.org [mailto:S.Hampton@ieee.org]  
Sent: Monday, October 16, 2006 2:50 PM  
To: dfoster@olsun.com  
Cc: am.sahazizian@hydroone.com; a.ortiz@ieee.org; bill.chiu@sce.com;  
donald.fallon@ieee.org  
Subject: RE: PC57.12.91a Comment Received from NesCom Member

Dear Derek:

Please confirm which document you would like to revise. There exists two  
separate PARs:

C57.12.91 (expiration date: 2001) Standard Test Code for Dry-Type  
Distribution and Power Transformers

and

C57.12.91a (expiration date: 2009) IEEE Standard Test Code for Dry-Type  
Distribution and Power Transformers ? Amendment 1.

Kind Regards,

Sherry Hampton  
Administrator, Governance  
Standards Activities  
Phone +1 732 562 6003  
FAX +1 732 875 0695  
Email: s.hampton@ieee.org

"Derek Foster" <dfoster@olsun.com>  
10/16/2006 02:11 PM  
Please respond to  
<dfoster@olsun.com>

To  
<am.sahazizian@hydroone.com>  
cc  
<donald.fallon@ieee.org>, <a.ortiz@ieee.org>, <bill.chiu@sce.com>,  
<S.Hampton@ieee.org>  
Subject  
RE: PC57.12.91a Comment Received from NesCom Member

Dear Anne-Marie

Please see the replies to your comments below, in blue.

Derek Foster  
Working Group Chairman

Phone: 815-678-2421  
Fax: 815-678-4909

-----Original Message-----

From: S.Hampton@ieee.org [mailto:S.Hampton@ieee.org]  
Sent: Thursday, October 12, 2006 7:44 PM  
To: dfoster@olsun.com  
Cc: am.sahazizian@hydroone.com; donald.fallon@ieee.org; a.ortiz@ieee.org;  
bill.chiu@sce.com  
Subject: PC57.12.91a Comment Received from NesCom Member

Dear Derek:

The following comment has been received from Anne-Marie Sahazizian, NesCom member, regarding the above referenced project.

Stakeholders should be moved from 5.5 to 5.6. Stakeholders will be moved from 5.5 to 5.6.

Item 2.1: Title should not contain reference to revision. Title will be revised to ?IEEE standard Test Code for Dry-Type Distribution and Power Transformers?.

What happened to Amendment1? This is not clear. Since this standard is due for reaffirmation or revision at the end of 2006, and since the amendment cannot be completed before that date, it was decided to change the PAR to a revision, after consultation with IEEE staff.

Please respond directly to Anne-Marie via e-mail at am.sahazizian@hydroone.com and copy me on all correspondence. Please be

advised that this project is being processed through the continuous processing expedited process and your response is required no later than Friday, October 20.

Kind Regards,

Sherry Hampton  
Administrator, Governance  
Standards Activities  
Phone +1 732 562 6003  
FAX +1 732 875 0695  
Email: [s.hampton@ieee.org](mailto:s.hampton@ieee.org)



Jodi Haasz

06/13/2005 01:27 PM

To: bill.chiu@sce.com  
cc: ken.hanus@ieee.org, dfoster@olsun.com, stds-pes-scc@ieee.org  
Subject: PC57.12.91a - Approval Letter

13 June 2005

Bill Chiu  
Southern California Edison  
501 South Marengo Avenue  
Alhambra, CA 91802

Re: PC57.12.91a - IEEE Standard Test Code for Dry-Type Distribution and Power Transformers - Amendment 1

Dear Bill:

I am pleased to inform you that on 09 June 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009, changing the title to "IEEE Standard Test Code for Dry-Type Distribution and Power Transformers - Amendment 1". A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/C57-12-91a.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 September 2005.

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  
Program Manager  
International Stds Programs and Governance  
Standards Activities  
Phone +1 732 562 6367  
FAX +1 732 875 0695  
Email: [j.haasz@ieee.org](mailto:j.haasz@ieee.org)

# PAR FORM

**PAR Status:** Amendment of Standard

**PAR Approval Date:** 2005-06-09

**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** PC57.12.91a

**2. Sponsor Date of Request:** 2005-04-28

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

**4. Title of Document:**

**Draft:** IEEE Standard Test Code for Dry-Type Distribution and Power Transformers –  
Amendment 1

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

**6. Type of Project:**

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

**6b. The Project is a:** Amendment to Std C57.12.91-2001

**7. Working Group Information:**

**Name of Working Group:** Working Group on Dry-Type Test Code - C57.12.91

**Approximate Number of Expected Working Group Members:**30

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

**Name of Working Group Chair:** Derek R Foster

**Telephone:** 815-678-8435 **FAX:** 815-678-4909

**Email:** dfoster@olsun.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:**

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

**Email:**

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

**Name of Sponsoring Society and Committee:** 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:** Mixed Sponsor Ballot**Expected Date of Submission for Initial Sponsor Ballot:** June 2006**12. Projected Completion Date for Submittal to RevCom:** December 2006**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 amendment address substantive changes to Clause 5, 9, 10, 11 and 13 of existing C57.12.91-2001 to reflect current practice in the testing procedures of dry-type transformers. This amendment does not address transformer requirements and specific test criteria; rather they are contained in appropriate standards such as IEEE Std C57.12.01-1998 or in user specifications.

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

No

**14. Purpose of Proposed Project:**

The purpose of this amendment is to provide the most up-to-date information regarding the procedures for the testing of dry-type transformers. This standard is being amended to include substantive changes to Clause 5, 9, 10, 11, and 13 that reflect current practice in the testing of dry-type transformers.

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

Since publication of the last revision of this standard, it has been recognized that some test procedures described in the standard are no longer used, or are performed in a different way or with different test equipment to than described. The stakeholders of this standard include the users (electric utilities, industrial and commercial facilities) and manufacturers of dry type distribution and power transformers.

**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?** Yes

IEC 60076 – Both ANSI/IEEE standards C57.12.01 and C57.12.91 are complementary to one another and are very similar in scope and content to the IEC 60076 series of standards. However, the ANSI/IEEE standards and IEC standards are not interchangeable for the following reasons: 1. The IEC 60076 series of standards apply to liquid filled transformers, in addition to dry-type transformers. 2. The IEC 60076 series of standards have different requirements for some tests than those described in C57.12.91, some examples of which include the impedance test and the impulse voltage test.

**Similar Scope Project Information:**

SimSP: IEC SimProjNo: 60076-11 SimProjD: 00-05-2004 SimTitle: Power Transformers Part 11: Dry-Type Transformers

**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)**

In reference to Item #13 & Item #14:

Clause 5 - Resistance measurements

Clause 9 - Load losses and impedance voltage

Clause 10 - Dielectric tests

Clause 11 - Temperature test

Clause 13 - Audible sound-level measurements