



Sherry  
Hampton/STDS/STAFF/  
US/IEEE

10/02/2007 10:14 PM

To swright@powereng.com

cc fitzgerald@okonite.com, stds-pes-scc@ieee.org,  
j.densley@ieee.org , Matthew Ceglia/STDS/STAFF/US/IEEE,  
bcc

Subject Approval of Project - P1407

02 October 2007

Shayne Wright  
POWER Engineers, Inc.  
15621 Blue Ash, Suite 110  
Houston, TX 77090-5827  
swright@powereng.com

Re: P1407 - Guide for Accelerated Aging Tests for Medium-Voltage (5 kV-35 kV) Extruded Electric Power Cables Using Water-Filled Tanks

Dear Shayne:

I am pleased to inform you that on 27 September 2007 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/1407.pdf>. Please note that the PAR submission deadline is 15 October 2007 if you would like to submit a PAR extension request.

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"

Rosters can be submitted in any format to the NesCom Administrator ([nescom-admin@ieee.org](mailto:nescom-admin@ieee.org)). Please forward this list to the NesCom Administrator via e-mail at [nescom-admin@ieee.org](mailto:nescom-admin@ieee.org) no later than 26 December 2007.

Or, for your convenience, you can manage your standards development roster in myProject. Instructions are as follows:

- Go to myProject - <https://development.standards.ieee.org/my-site>
- Login using your IEEE Web Account username and password.
- Once logged into myProject, go to "Manage Committees"
- Drill down to the project by clicking the (+) on the left to expand each level. The actual project will be highlighted in yellow
- Click "Manage Committees" for that project. A list of individuals enrolled in the

Committee/Project will appear. On this screen you can assign whether a person is a Participant, a Non-Voting Member or a Voting Member of the project group. You may also view contact information for that individual.

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 questions, please contact the NesCom Administrator via e-mail at [nescom-admin@ieee.org](mailto:nescom-admin@ieee.org) or via telephone at +1 732 562 3806.

Sincerely,

NesCom Admin  
Standards Activities  
Email: [nescom-admin@ieee.org](mailto:nescom-admin@ieee.org)

**PAR Request Date:** 15 August 2007**PAR Approval Date:** 27 September 2007**PAR Signature Page on File:** Yes**Type of PAR:** Modification to Approved PAR**Status:** Modification to a Previously Approved PAR for the Revision of a Standard - P1407, 10 December 2003**Root Project:** IEEE Std 1407-1998**1.1 Project No.:** 1407**1.2 Type of Document:** Guide**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Guide for Accelerated Aging Tests for Medium-Voltage (5 kV-35 kV) Extruded Electric Power Cables Using Water-Filled Tanks

**3.1 Working Group Name** [Working Group for Aging Tests of MV Cables Using Water-Filled Tanks](#)**Working Group Chair**[Densley, John R](#)  
Phone: 905-569-3654  
Email: j.densley@ieee.org**Working Group Vice Chair****3.2 Sponsor** [IEEE Power Engineering Society Insulated Conductors \(PE/IC\)](#)**Sponsor Chair**[Fitzgerald, James](#)  
Phone: 201-825-0300  
Email: fitzgerald@okonite.com**Name of Standards Liaison Representative (if applicable)**[Wright, Shayne](#)  
Phone: +1 281 248 4310  
Email: swright@powereng.com**3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** July 2007**4.3 Projected Completion Date for Submittal to RevCom:** October 2007**5.1 Approximate number of people expected to work on this project:** 10

**5.2 Scope:** This guide provides information on the equipment, cable specimens, test conditions, and measurements to perform accelerated aging tests on medium-voltage cables using water-filled tanks, whether the test be a time to failure test or a test in which samples are aged for fixed times followed by a diagnostic test such as a step ac breakdown test. The guide identifies the critical test parameters and describes techniques for their measurement and control. The implementation of the techniques will facilitate a comparison of data obtained by different laboratories.

**Old Scope:** The scope of the original document included the identification of critical test parameters for performing accelerated aging tests on medium-voltage cables using water-filled tanks to facilitate a comparison of data obtained from different labs. Each test parameter is to be revisited with a recommended/commonly used practice provided to narrow the focus of available test parameters.

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

**5.4 Purpose:** The purpose of the original document was to provide broad background information on the critical test parameters for performing accelerated aging tests on medium-voltage cables using water-filled tanks. Revisions are necessary to distinguish between cable materials and cable design testing and to narrow the focus of available options for the critical test parameters. The purpose clause will not be included in the guide.

**Old Purpose:** The purpose of the original document was to provide broad background information on the critical test parameters for performing accelerated aging tests on medium-voltage cables using water-filled tanks. Revisions are necessary to distinguish between cable materials and cable design testing and to narrow the focus of available options for the critical test parameters.

**5.5 Need for the Project:** There is a need for this type of guide for utility engineers who use water-filled tanks for accelerated aging.

**5.6 Stakeholders for the Standard:** The stakeholders include material suppliers, utility engineers, testing laboratories.

**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: 2006-03-14

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? ? No**

**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:**

The scope has been aligned to match currently circulated draft.

**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:

[Email This Letter](#)

12 December 2003

Shantanu Nandi  
Commonwealth Edison  
2 Lincoln Center  
Oakbrook Terrace, IL 60181-4260  
s.nandi@ieee.org

Re: P1407 - Guide for Accelerated Aging Tests for Medium-Voltage (1kV-35 KV) Extruded Electric Power Cables Using Water-Filled Tanks

Dear Shantanu:

I am pleased to inform you that on 10 December 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/1407.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 9 March 2004.

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 +1 208 460 5300  
Email: [j.haasz@ieee.org](mailto:j.haasz@ieee.org)

cc: [j.densley@ieee.org](mailto:j.densley@ieee.org), [kebow@dow.com](mailto:kebow@dow.com), [stds-pes-scc@ieee.org](mailto:stds-pes-scc@ieee.org)

# PAR FORM

**PAR Status:** Revision PAR  
**PAR Approval Date:** 2003-12-10  
**PAR Signature Page on File:** Yes  
**Review of Standards Development Process:** Yes

**1. Assigned Project Number:** 1407

**2. Sponsor Date of Request:** 2003-09-30

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

**4. Title of Document:**

**Draft:** Guide for Accelerated Aging Tests for Medium-Voltage (1kV-35 KV) Extruded Electric Power Cables Using Water-Filled Tanks

**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 1407-1998

**7. Contact Information of Working Group:**

**Name of Working Group:** A13W - Aging Tests of MV Cables Using Water-Filled Tanks

**Name of Working Group Chair:** John R Densley

**Telephone:** 905-569-3654 **FAX:** 905-569-8783

**Email:** j.densley@ieee.org

**8. Contact Information of Co-Chair/Official Reporter (If different than Working Group Chair)**

**Name of Co-Chair/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 Insulated Conductors

**Name of Sponsoring Committee Chair:** Kenneth E Bow

**Telephone:** 989-638-3759 **FAX:** 989-636-0231

**Email:** kebow@dow.com

**Name of Liaison Rep. (If different than Sponsor Chair):** Shantanu Nandi

**Telephone:** 630-576-6910 **FAX:** 630-437-2309

**Email:** s.nandi@ieee.org

**10. The Type of ballot is:** Individual Sponsor Ballot

**Expected Date of Submission for Initial Sponsor Ballot:** 2005-03-30

**11. Fill in Projected Completion Date for Submittal to RevCom:** 2005-09-30

**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 scope of the original document included the identification of critical test parameters for performing accelerated aging tests on medium-voltage cables using water-filled tanks to facilitate a comparison of data obtained from different

labs. Each test parameter is to be revisited with a recommended/commonly used practice provided to narrow the focus of available test parameters.

**13. Purpose of Proposed Project:**

The purpose of the original document was to provide broad background information on the critical test parameters for performing accelerated aging tests on medium-voltage cables using water-filled tanks. Revisions are necessary to distinguish between cable materials and cable design testing and to narrow the focus of available options for the critical test parameters.

**14. Intellectual Property:**

**Sponsor has reviewed the IEEE patent policy with the working group?** Yes

**Sponsor is aware of copyrights relevant to this project?** No

**Sponsor is aware of trademarks relevant to this project?** No

**Sponsor is aware of possible registration of objects or numbers due to this project?** No

**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.**

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