Email This Letter

15 September 2006

Shayne Wright
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Re: P1511.1 - Guide for Investigating and Analyzing Shielded Power Cable Failures on Systems Rated 5 kV Through 46 kV

Dear Shayne:

I am pleased to inform you that on 15 September 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2010. A copy of the file can be found on our website at http://standards.ieee.org/board/nes/projects/1511-1.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 14 December 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 +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
Phone +1 732 562 6003
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CC: fitzgerald@okonite.com, stds-pes-scc@ieee.org, rjazowski@homac.com

PAR Request Date: 03 March 2006

PAR Approval Date: 15 September 2006

PAR Signature Page on File: Yes

Type of PAR: New IEEE Standard

Status: PAR for a New IEEE Standard

Root Project:

1.1 Project No.: **P1511.1**

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 Investigating and Analyzing Shielded Power Cable Failures on Systems Rated 5 kV Through 46 kV

2.1 Amendment/Corrigenda Title

3.1 Working Group Name	WG for Guide for Investigating and Analyzing Shielded Power Cable Failures on Systems Rated 5 kV Through 46 kV
Working Group Chair	Jazowski, Roy E Phone: 386-677-9111-x225 Email: rjazowski@homac.com
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: March 2010

4.3 Projected Completion Date for Submittal to RevCom: November 2010

5.1 Approximate number of people expected to work on this project: 60+

5.2 Scope: This guide covers specific methods of failure classifications and analysis for shielded power cables rated 5 kV through 46 kV. This guide discusses the importance of failure analysis on cables and reviews the different types of failures historically found in cables over the years. With the aging workforce in the utility industry, it is important to pass along the collective knowledge to the next generation regarding cable failure mechanism as it is imperative to improving system reliability.

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

5.4 Purpose: 1.2 This guide deals with failure analysis of shielded power cable failures. Together with IEEE 1511-2004, the guide provides an introduction to the concepts of failure analysis, discusses use and potential value of failure analysis. The guide covers commonly used methods employed in failure analysis and their application to shielded cables in underground power cable systems. The guide is based on the application of flow charting methods to the analysis of a failure. The guide documents known failure mechanisms and provides a format for the documentation of new failure mechanisms. This guide is the second in a series of guides for analysis of cable system failures. IEEE 1511-2004 addressed the generic aspects, while each subsequent document addresses failure analysis of a specific component of the underground cable system. The following guides are planned for the series: * IEEE 1511-2004: Guide for investigating and analyzing shielded power cable, joint, and termination failures on systems rated 5 kV through 46 kV * P1511.1 (This document) Guide for investigating and analyzing shielded power cable failures on systems rated 5 kV through 46 kV. * P1511.2 (Future document) Guide for investigating and analyzing joint failures on systems rated 5 kV through 46 kV. * P1511.3 (Future document) Guide for investigating and analyzing termination failures on systems rated 5 kV through 46 kV. * P1511.4 (Future document) Guide for investigating and analyzing separable insulated connector failures on systems rated 5 kV through 46 kV.

5.5 Need for the Project: There is a specific need in our industry to teach and train the end user the proper steps in analyzing field failures. Specifically this guide will help identify cable failures and provide a useful data-base of cable failure experiences. This guide will also help train new engineers in the history of cable failures and help in analyzing new failures.

5.6 Stakeholders for the Standard: The stakeholders are the electric power utilities and cable manufacturers.

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:** 2005-11-02
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: