myProject™ - P400 PAR Detail

Submitter Email: ben.lanz@ieee.org

Type of Project: Revision to IEEE Standard

PAR Request Date: 04-Oct-2007

PAR Approval Date: 05-Dec-2007

PAR Expiration Date: 31-Dec-2011

PAR Signature Page on File: No

Status: Revision to an Existing IEEE Standard, Std 400-2001

Project: 400

Root Project: 400-2001

1.1 Project Number: P400

1.2 Type of Document: Guide

1.3 Life Cycle: Full Use

1.4 Is this project in ballot now? No

2.1 Title: IEEE Guide for Field Testing and Evaluation of the Insulation of Shielded Power Cable Systems Rated 5kV and Above

Old Title: Guide for Field Testing and Evaluation of the Insulation of Shielded Power Cable Systems

3.1 Working Group: Working Group on Field Testing and Evaluation of Shielded Power Cable Systems (PE/IC/C16D)

Contact Information for Working Group Chair

W A Thue
Email: wthue@aol.com
Phone:

Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Power Engineering Society/Insulated Conductors (PE/IC)

Contact Information for Sponsor Chair

James V Fitzgerald
Email: fitzgerald@okonite.com
Phone: 2018250300

Contact Information for Standards Representative

Timmy S Wright
Email: swright@powereng.com
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4.1 Type of Ballot: Individual

4.2 Expected Date of Submission for Initial Sponsor Ballot: 09/2009

4.3 Projected Completion Date for Submittal to RevCom: 09/2011

5.1 Approximate number of people expected to work on this project: 30

5.2 Scope: This guide lists the various field test methods that are currently available or under

Old Scope: This Guide lists the various field test methods that are presently available or under development to perform field tests on

development. The guide covers shielded, insulated power cable systems rated 5 kV and above. The guide describes the tests and gives advantages and disadvantages, suggested applications, and typical results. Complete guides covering some of the test methods listed are available in the form of IEEE 400 point documents.

insulated, shielded power cable systems rated 5 kV through 500 kV. A summary of advantages and disadvantages of the methods will be included. Users should avail themselves of th technical papers that are included as References and in the Bibliography before deciding whether to perform a test and which test to utilize. In making such decisions, consideration should be given to the performance of the entire cable system, including joints, terminations, and associated equipment.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: The purpose of this guide is to provide an overview of the various test methods available for evaluating the insulation of shielded cable systems in the field, and to assist cable owners in selecting one or more appropriate tests for a specific application.

Old Purpose The purpose of this revision is to replace the present IEEE 400 with a Guide presenting an overview of the various tests presently available for evaluating the insulation of cable systems in the field. This will be the umbrella document for a series of Guides that cover each individual test method. These test methods that have been sufficiently developed to become approved Guides will become subdocuments. The content of the present IEEE 400 will be revised and will become the first subdocument.

5.5 Need for the Project: There is a great need for this revision project. The industry is in the state of change and clear direction is needed. Guide 400-2001 was a very big step forward but much of the information used to build the guide is now over 10 years old. With new data available, it is clear that some of the guidance in the current document is not correct or is misleading. In addition to new data, new technology is now available that did not exist in 2001. The industry will greatly benefit from the corrected and updated information.

5.6 Stakeholders for the Standard: Electric power industry -Cable Owners -Utility companies ---Transmission ---Distribution ---Generation -Commercial, Industrial, Government, and Military Facilities -Cable consultants -Cable test equipment vendors -Cable test service providers -Cable manufacturers

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Intellectual Property

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
If yes, state date: 05/09/2007
6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No
6.1.c. Is the Sponsor aware of possible registration activity related to this project? No

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7.1 Are there other standards or projects with a similar scope? No

7.2 Future Adoptions
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

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: (Item Number and Explanation)
