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02 November 2006

James W Wilson
1961 Dougherty Ferry Rd.
Kirkwood, MO 63122-3538
jwwilson@ieee.org

Re: PC62.82.2 - Guide for the Application of Insulation Coordination

Dear James:

I am pleased to inform you that on 02 November 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/C62-82-2.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 31 January 2007.

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
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CC: d.dorr@ieee.org, stds-pes-scc@ieee.org, iuda.morar@pacificorp.com

PAR Request Date: 17 August 2006**PAR Approval Date:** 02 November 2006**PAR Signature Page on File:** Yes**Type of PAR:** Revision to IEEE Standard**Status:** Revision to an Existing IEEE Std 1313.2-1999**Root Project:****1.1 Project No.:** **PC62.82.2****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 the Application of Insulation Coordination	Old Title IEEE Guide for the Application of Insulation Coordination
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2.1 Amendment/Corrigenda Title**3.1 Working Group Name** [Preferred Voltages & Insulation Coordination Std Maintenance WG](#)

Working Group Chair	Morar, Iuda Phone: 503-813-6937 Email: iuda.morar@pacificorp.com
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Working Group Vice Chair**3.2 Sponsor** [IEEE Power Engineering Society Surge Protective Devices/High Voltage \(PE/SPDHV\)](#)

Sponsor Chair	Dorr, Douglas S. Phone: 407-968-3010 Email: d.dorr@ieee.org
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Name of Standards Liaison Representative (if applicable)	Wilson, James W Phone: 314-822-5480 Email: jwwilson@ieee.org
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3.3 Joint Sponsor**4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** July 2009**4.3 Projected Completion Date for Submittal to RevCom:** July 2010**5.1 Approximate number of people expected to work on this project:** 15

5.2 Scope: The insulation coordination standard and guide apply to three-phase ac systems above 1 kV and are divided into two parts. This guide, the second part, is an application guide with practical examples, intended to provide guidance in the determination of the withstand voltages and to suggest calculation methods and procedures. The insulation coordination examples for selected equipment are designed to explain the principles of Part 1. The guide is intended for air-insulated ac systems. Caution should be exercised in the case of gas-insulated systems (GIS).

Old Scope: The insulation coordination standard and guide apply to three-phase ac systems above 1 kV and are divided into two parts. IEEE Std 1313.1-1996 (Part 1) specifies the procedure for selection of the withstand voltages [basic lightning impulse insulation level (BIL) and basic switching impulse insulation level (BSL)] for equipment phase-ground and phase-phase insulation systems. It also identifies a list of standard insulation levels. Although the principles of this standard also apply to transmission line insulation systems, the insulation levels may be different from those identified as standard insulation levels. This guide (Part 2) is an application guide with practical examples, intended to provide guidance in the determination of the withstand voltages and to suggest calculation methods and procedures. The insulation coordination examples for selected equipment are designed to explain the principles of Part 1. The guide is intended for air-insulated ac systems; caution should be exercised in the case of gas-insulated systems (GIS).

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

5.4 Purpose: It should be recognized that absolute protection of station equipment is theoretically impossible. Even if arresters are located at the terminals of all apparatuses, equipment failures can occur. The probabilistic method, that is, designing for a mean time between failures (MTBF) criterion, is proposed here not only to permit a realistic basis of design, but perhaps more importantly, to form a consistent measure of design based on reliability.

Old Purpose: It should be recognized that absolute protection of station equipment is theoretically impossible. Even if arresters are located at the terminals of all apparatuses, equipment failures can occur. The probabilistic method, that is, designing for a mean time between failures (MTBF) criterion, is proposed here not only to permit a realistic basis of design, but perhaps more importantly, to form a consistent measure of design based on reliability.

5.5 Need for the Project: This revision of the guide will address comments received during the recent document reaffirmation, will also address items contained in an IEC document on the same subject, and will address any new information that is found.

5.6 Stakeholders for the Standard: Utility engineers, consultants, operators, owners, students, and any other person concerned with insulation coordination.

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:** 2006-05-03

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? Yes

If yes, please explain:

This document is a revision of the existing IEEE document and will address suggestions received during the reaffirmation process and also add any new information that is found.

Sponsor Organization: IEC

Project/Standard Number: 60071-2

Project/Standard Date: 0000-00-00

Project/Standard Title: Insulation co-ordination - Part 2: Application guide

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: