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31 July 2006

William R Goldbach
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Re: PC62.37.1 - Guide for the Application of Thyristor Surge Protective Device Components

Dear William:

I am pleased to inform you that on 28 July 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/C62-37-1.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 26 October 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
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Standards Activities
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PAR Request Date: 05 June 2006	
PAR Approval Date: 28 July 2006	
PAR Signature Page on File: Yes	
Type of Project: Revision to IEEE Standard	
Status: Revision to an Existing IEEE Std C62.37.1-2000	
Root Project:	
1.1 Project No.: PC62.37.1	
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 the Application of Thyristor Surge Protective Device Components	Old Title IEEE Guide for the Application of Thyristor Surge Protective Devices
2.1 Amendment/Corrigenda Title	
3.1 Working Group Name	Low Voltage Solid State Surge Protection Devices Working Group
Working Group Chair	Maytum, Michael J Phone: +44 7879 697652 Email: m.j.maytum@ieee.org
Working Group Vice Chair	
3.2 Sponsor	IEEE Power Engineering Society Surge Protective Devices/Low Voltage (PE/SPDLV)
Sponsor Chair	Dorr, Douglas S Phone: 407-968-3010 Email: d.dorr@ieee.org
Name of Standards Liaison Representative (if applicable)	Goldbach, William R Phone: 804-236-3302 Email: wgoldbach@danaher-DPS.com
3.3 Joint Sponsor	
4.1 Type of Ballot: Individual	
4.2 Expected Date of Submission for Initial Sponsor Ballot: November 2007	
4.3 Projected Completion Date for Submittal to RevCom: November 2008	
5.1 Approximate number of people expected to work on this project: 15	
5.2 Scope: This application guide applies to Thyristor Surge Protective Components (SPCs) used in systems with voltages up to 1000 Vrms or 1200 Vdc. These components are designed to limit overvoltages and divert surge currents by limiting the voltage and switching to a low impedance state. Although telecommunication circuits are the main application of Thyristor SPCs, this guide will also provide useful information for other protection applications. This guide is intended to complement and be used in conjunction with the IEEE Standard Test Specification for Thyristor Diode Surge Protective Devices (IEEE C62.37-1996 (R2002)).	Old Scope: This Guide is intended to complement the IEEE Standard Test Specification for Thyristor Diode Surge Protective Devices (ANSI/IEEE C62.37-1996) The definitions used are the same. This publication contains information on basic function and component description, general terms and definitions, electrical environment, comparative SPD technologies, parameter interpretation and application, example designs.

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

5.4 Purpose: This guide is intended to provide assistance in selecting the most appropriate type of thyristor surge protective component (SPC) for use in a surge protective device (SPD), equipment, or system application. The IEEE Standard Test Specification for Thyristor Diode Surge Protective Devices (ANSI/IEEE C62.37-1996 (R2002)) defines thyristor SPC parameters and their measurement. This guide explains the basic functions, component structures, surge environment, comparative thyristor technologies, how parameters are interpreted and selected for example applications.

Old Purpose: This application guide applies to Thyristor Surge Protective Devices components used in systems with voltages up to 1000Vrms or 1200Vdc. These components are designed to limit overvoltages and divert surge currents by limiting the voltage and switching to a low impedance actions. Although telecommunication circuits are the main application of Thyristor SPDs, this guide will also provide useful information for other protection applications. When properly applied it protects telecommunication circuits from failure and damage.

5.5 Need for the Project: Since the original publication, many of the referenced standards and documents have been updated, changed name or, in one case, withdrawn. A corrigendum was considered, but it would prove difficult to work with as the references occur many times within the document and the locked pdfs distributed by the IEEE prevent the adding of notes or highlighting for changes. In addition, the continued increase of digital subscriber line (DSL) frequency means that capacitance is an important factor. It would be useful to add example circuit configurations that minimise the shunt and unbalance capacitance

5.6 Stakeholders for the Standard: People working on or using metallic conductor signal circuits, e.g. telephone lines, data cables, ethernet systems, as covered by the telecom area

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:** 2006-05-01

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:

In the past the SPDC has been lax in differentiating between surge protective devices (SPDs) and surge protective components (SPCs). SPCs are the functional “nuts and bolts” that SPDs are built from. The recent PC62.31 and PC62.32 had title changes to bring the word “component” in. Adding “component” to the title here continues that purge. Inline with the standards companion, the scope has been made to be the what and purpose the why.

Item 5.2 - proposed scope is essentially as in the published 2000 document, with minor editorial revisions.

Item 5.4 - the existing published 2000 document does not contain a "purpose" clause.

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: