

IEEE Surge Protective Devices Main Committee (3.0) Meeting Minutes Spring Meeting, Sheraton Sand Key, Clearwater, FL May 10, 2007

1) Call to order

Chairman Doug Dorr called meeting to order, members and guests introduced themselves. There were 18 members and 2 interested parties in attendance.

2) Approval of agenda

Agenda was displayed on the overhead projector and approved with several items added under new business as indicated with an *.

3) Approval of minutes of last meeting

The Fall 2006 Meeting Minutes from Atlanta were approved as posted on the SPDC online community website with no changes.

4) Subcommittee reports

(3.1) Administrative & Standards – Doug Dorr

Doug reported that A&S met for 2 hours on May 10, 2007 and will need a similar time slot for the Fall 2007 meeting. Prior to the meeting start, Christina Sahr with IEEE presented an update to the IEEE myProject website. It was stated that to ballot documents in the future, potential balloters would have to register their interest profile on the myProject website. Highlights from the A&S meeting included the awards ceremony at the luncheon and a new effort to get IEEE fellow nominations from the SPDC membership.. Draft minutes for A&S will be posted on the on-line community website under the 3.1 Main committee folder (once approved). Unapproved minutes will be filed in the unapproved minutes folder.

1. Secretaries Report – Ken Brown

- a. Awards Presentation – Richard Odenberg was acknowledged for an excellent awards ceremony, getting SPDC back up to date.
- b. Financial Update - The IEEE Balance is approximately \$12,500.00 which was increased from a previous balance of \$7600.00 prior to the Spring Meeting. Financially the SPDC is in good shape and will end up the year somewhere around last years ending balance.
- c. Future Meeting Dates – Ken reported that the fall meeting was now confirmed for October 1-5, 2007 at the Omni CNN center in Atlanta

2. Bibliography- Carl Lindquist

- a. Carl reported the highlights from his meeting and a copy Bibliography sub-committee report will be added to this report as an appendix. Highlights include:
 - i. Ballot of Application Guide for Symbols being balloted

- ii. Francois Martzloff is leading the bibliography task force and they will move forward with posting of material on the website.
- iii. Request to add Ron Hotchkiss as a 3.2 Member was approved.
- iv. 3 hours for the next meeting were requested not to conflict with the 3.7 Subcommittee

3. High Voltage Sub-Committee Report - Steve Hensley

- a. Steve reported the highlights from his meeting and a copy of the HV sub-committee report will be added to this report as an appendix. Highlights include:
 - i. WG 3.4.8, WG 3.4.9, WG 3.4.14, WG 3.4.13, WG 3.4.16, WG 3.4. met in Clearwater
 - ii. There will likely need to be a time expansion for the fall meeting
 - iii. **Action item: Steve will create a first cut at the HV schedule for the fall meeting as supply that to Ken Brown**

4. Low Voltage Sub-Committee Report – Ray Hill

- a. Ray reported the highlights from his meeting and a copy LV sub-committee report will be added to this report as an appendix. Highlights include:
 - i. WG 3.6.1 did not meet however C62.31 was published
 - ii. WG 3.6.1 Maytum 5 members attended needs 4 hours, WG 3.6.3 Hartman 13 attendees, needs 4 hrs. WG 3.6.4 14 members 8 IPs attended needs 4 hrs,
 - iii. WG 3.6.6 Hotchkiss 17 members 14 IPs, needs 4 hours, WG 3.6.7 Martin needs 8hrs, WG 3.6.9 Hill, 10members 11IPs 5visitors needs 4 hrs, 3.6.10 Surtees 8 members 9IPs needs 4 hours.
 - iv. New member Dean Negrelli approved
 - v. Disconnecter task force under SC 3.6 approved unanimously.
 - vi. Post it tablets would be a nice addition for the meetings
 - vii. **Action item: Ray will create a first cut at the LV schedule for the fall meeting as supply that to Ken Brown**

5. Web and Electronic Documentation – Mick Maytum

- a. Mick reported the highlights from his meeting and a copy “online” sub-committee report will be added to this report as an appendix. Highlights include:
 - i. 3000 unique visitors on the OC
 - ii. 45 new members from Grouper in the last 11 months
 - iii. Matt Ceglia is providing free electronic copies of IEEE 100.

6. IEC Tag 37A Activities – Joe Koepfinger

- i. The report is lengthy and Joe stated that everyone can read the attachment. The report will be posted with the IEEE Main Committee minutes.

7. TC37 – Mike Comber

- a. The report will be posted with the final version of the Main Committee minutes.
 - i. TC37 meeting in the USA week of November 5, 2007
 - ii. Maintenance team 10 application guide HV arrestors major overhall
 - iii. WG11 Mick Maytum Loading terms and definitions for Chap. 4,5,6 of IEC vocabulary.
 - iv. WG12 Andi Haa working towards stability of the documents. This will be revisited at the TC meeting.

8. TC37B – Mick Maytum

- a. The report will be posted on www.ieeecommunities.com

9. TC81 – Tony Surtees

- a. The report will be posted on the www.ieeecommunities.com

10. Standards Coordinator Reports

Jim Wilson HV

- a. Jims report will be posted with final version of the Main Committee minutes

Bill Goldbach LV

- b. Bill was not in attendance, the report will be posted with final version of the Main Committee minutes.

11. Old Business

- a. **Action:** Ron Hotchkiss to contact Dave Jackson r.e. Wind Farm Protection not action taken to date.

12. New Business

- a. Question was brought up regarding a paper published by Don Zipse regarding neutral conductors and what he alleges as “hazardous scenarios”. Since this is a subject related to material overseen by the N-G WG it was suggested that SPDC make some type of formal request at the PES TC level to determine if one of the IEEE committees such as T&D should formally rebut the paper – as the N-G WG believes it contains multiple technical inaccuracies. It was noted that there is one paper by John Nelson published by PCIC that does rebut the Zipse paper and this was presented during an IEEE P1695 WG meeting last year. It was taken as an **action to bring the issue to PES TC or to the IEEE P1695 WG and suggest some formal action.**
- b. Discussion was initiated regarding a reference to IEEE PC62.72 D1-2005 that appears in the IEEE Emerald Book. The page number and location is at Page 269 Clause 8.4.2.5 referenced to Draft 1. It was suggested that a citation to an unavailable draft standard is not appropriate and some corrigenda action may be in order. Copies of the documents were not immediately available to move the discussion further so two action items were identified. **Action: Ron Hotchkiss to confirm incorrect reference**

based on the version of PC62.72 reference and Doug Dorr to follow up related to what is actually in the IEEE Emerald Book and how it got there.

- c. Ultra High Voltage Symposium - Joe Koepfinger announced the conference would take place in China on July 18-21. More information can be obtained from the website. **Action item. Joe tasked with reporting on this event at the next SPDC meeting to recommend any potential areas where SPDC may want to be involved or define a liaison activity.**
- d. Flow Chart "Par to Publish." – It was requested that a flow chart be developed to more clearly define the process. It was noted that something similar already exists on the my project website and was shown by Christina Sahr during the myProject presentation at <http://standards.ieee.org/resources/development/initiate/index.html>

13. SPDC Future Meeting Locations and Schedule

- a. The fall meeting will be held the week of October 1, 2007 at the CNN Center in Atlanta, GA.
- b. The Spring Meeting 2008 will be held the week of May 15, 2008 at the Sheraton Sand Key in Clearwater Florida.
- c. **Action: Ken Brown will work with Wolfgang to schedule a November meeting in Costa Rica. Ken to provide Wolfgang with a Hotel Contract Template.**

14. Meeting Adjourned

IEEE SPDC Subcommittee 3.2 Bibliography, Definitions and Symbols (Unofficial)

Meeting on 05/09/07 in Clearwater Beach, FL

The Bibliography, Definitions and Symbols Subcommittee met on 05/09/07 at the Sheraton Sand Key Hotel, Clearwater Beach, FL for approximately 3½ hours.

Those in

attendance were asked to introduce themselves. They included:

Members Interested Parties

Leonard Drewes Ken Brown

Carl Lindquist – Chairman Ron Hotchkiss

Michael Maytum

Andrea Turner Haa

Francois Martzloff

Darrell Wilson

Don Turner

Members Absent Guests

David Jackson

Jim Wilson
Joe Koepfinger
Frank Waterer
William Bush
William Goldbach

Opening:

The meeting was opened at 08:00 AM with a brief overview of topics to be discussed. We did have a quorum with 7 of 13 members present. An agenda for this meeting had been posted on the SPDC Forum Web Site on 02/28/07. The Agenda was reviewed and accepted with one addition by Mick Maytum who requested that we discuss the Definitions Flow Chart. Are some definitions being generated in the HV and LV Working Groups bypassing the SC 3.2 Committee? This addition will be taken up when we are discussing Dictionary and Terms. Ken Brown raised a question regarding a new task for SC 3.2 for tracking history of older standards. This would be an effort to archive these older standards for future reference by Working Group members, as well as notes regarding the reasoning that went into specific additions and changes. This will be taken up under New Business.

Review and Disposition of Prior Meeting Minutes:

Attendees had been requested to bring the Agenda for this meeting and Revision of the Unofficial Meeting Minutes from the last meeting as posted on the SPDC Forum Web Site on 04/07/07. The Unofficial Minutes for the prior SC 3.2 meeting – 10/04/06 – were projected and attendees who had not downloaded the documents were provided an opportunity to review them. The attendees were requested to review the minutes as we used the Action Items to guide us through the meeting. After a motion was made and seconded the minutes were accepted unanimously without change. During this meeting, Ron Hotchkiss requested that he be added to the SC 3.2 as a member. It was recommended that we summarize and document the existing three Task Forces presently active in SC 3.2. They are:

Task Force #1: Create Symbols Library (Spring, 2004 Meeting)“Proceed to develop symbols for SPD’s and their components” – Motion by Joe Koepfinger
Members: Frank Waterer, Mick Maytum, Arnold Offner, Darrel Wilson and Leonard Drewes.

Task Force #2: Posting of Bibliographies (Spring 2006 Meeting)
“Create a searchable site for bibliographies on Grouper Web Site” Members: Mick Maytum, Francois Martzloff and Darrell Wilson.

Task Force #3: Gather and Review Archive Papers (Fall 2006 Meeting)
“Gather and review archive papers for posting on Grouper Web Site”.
Members: Francois Martzloff, Mick Maytum, Andi Haa and Darrel Wilson.

Bibliography:

We reviewed Action Item #1 regarding the bibliography disclaimer. The letter to Kim Breitfelder, Manager, Standards Editing and Production, IEEE Headquarters, was written by Carl Lindquist and sent to Kim on October 09, 2006 per our Fall 2006 meeting minutes. Kim was contacted again on April 05, 2007, reminding her that we were awaiting an answer to our letter. She replied the same day by E-Mail advising that she had forwarded the E-Mail to Lauren Suppa, IEEE Copyright Department, and Lauren was requested by Kim to provide an immediate reply. No reply was received as of the time of this meeting. Mathew J. Ceglia, Program Manager, Technical Program Development Standards Activities, IEEE Headquarters, had discussed this matter with Carl Lindquist during this week's meetings and requested that a copy of any follow-up letter to Kim be copied to him. Francois Martzloff addressed the members noting that he was working on collection and standardization of the bibliographies, but he cannot proceed without an approval from this committee and formal approval of the 14 proposed categories. Open Action Items related to Bibliography issues and dispositions were discussed next.

These included Action Items 1, 2, 3, and 4 from the 10/04/06 Meeting Minutes.

Action Item # Action Item / (Responsible Individual) / Status

#1) It was agreed at the May 09, 2007 meeting that we would proceed with our bibliography collection and posting per the verbal concurrence with Kim Breitfelder at the October 04, 2006 meeting using the following disclaimer:

"NOTE: This paper, in the following pages, is posted here with permission of the IEEE. Internal or personal use of this material is permitted. However, permission to reprint/republish this material for advertising or promotional purposes or for creating new collective works for resale or redistribution must be obtained from the IEEE by sending a blank E-Mail message to pubspermissions@ieee.org.

By choosing to view this document, you agree to all provisions of the copyright laws protecting it."

This motion was made, seconded and passed unanimously.

A letter confirming this decision will be generated by Carl Lindquist to Kim and a copy will be provided to Matthew Ceglia. (C. Lindquist

#2 Francois Martzloff will continue to review archive papers and posting will be done on the Grouper Web Site with the assistance of Mick Maytum.

A motion was made, seconded and passed unanimously that Task Force #3 be formally activated. There will be 14 Categories, as presented by Francois Martzloff. Francois requested a formal vote on acceptance of the 14 Categories.

A motion was made and seconded to accept the 14 Categories as proposed by Francois. The vote to accept was unanimous. We had already received approval for this Task Force at A&S and 3.0 at the Fall, 2006 meeting. This Task Force will be chaired by Francois Martzloff and it may become a Working Group under SC 3.2 for ongoing

collection and sorting of old and new bibliographies and papers. There are now five members of SC 3.2 that will be members of this Task Force – Francois Martzloff (Chair), Mick Maytum, Darrel Wilson, Andi Haa and Ron Hotchkiss. A bibliography table showing all types of papers and some information on responsibilities will be the basis of the Scope for this new Task Force.

**SPD Library and Bibliography
(Hosted by Grouper)**

FOLDER CONTENTS ON-LINE ACCESS COMPILED BY
General SPD Library Public domain papers Unlimited FDM (LV) + HV 3.4
Copyrighted papers SPD Members
only

FDM (LV) + HV 3.4

Selected Seminal papers Unlimited [SPD Committee](#)

SPD Bibliography One-liners or abstract Unlimited All WGs >>> FDM

Just citation Unlimited [3.2 TASK FORCE](#)

In-text citations format:

(Author, Date) "Title," *Publisher*, pp (?)

NOT [Bxx]

Bibliography format:

Lead author, co-authors, "Title," *Publisher*, Date, pp

Some of the papers we are reviewing will be for the limited use of SPDC. This will necessitate use of some type of restriction to access on the Grouper Web Site. Mick Maytum noted that he will be using new software that will permit establishing such restricted access. Until that time, we will continue to work with papers that need no protection from the general public. It was noted by Mick that for the time being, all posting of documents will be carried out by the Web Master.

Kim Breittfelder, IEEE, explained at the Fall, 2006 meeting that while it is strongly recommended that bibliographies be included in each standard, it is not absolutely required by IEEE. It was also pointed out at that time that most documents and standards published by the IEEE today are provided in PDF format and downloaded from their Web Site rather than delivered as paper copies. Review Access Database to enhance Bibliography search capability relative to searching with Acrobat 5 or later.

(F.Martzloff) While Francois Martzloff will continue with these efforts, this work will become part of the Task Force #3 responsibilities.

Definitions:

The SPDC Dictionary was reissued on October 04, 2006. Copies are available for downloading from the IEEE-SPDC Forum Web Site. This reissue incorporated the Interim Definitions for C62.42, since this standard has now been published. Reaffirmation of the SPDC Dictionary is required at each meeting.

The SPDC Dictionary Flow Diagram needs some changes that will forward any terms and definitions from newly revised or issued standards through SC 3.2 for review and incorporation into the SPDC Dictionary. These terms and definitions that are found in other dictionaries are presently not required to be submitted to

SC 3.2. Mick Maytum noted that C62.72 definitions – including MOCPD, Service Entrance, SCCF and TVSS – are not being submitted to SC 3.2. It was felt by the members that this utilization of alternate definition resources is resulting in the loss of oversight for many existing standard definitions due to the conclusion by the Working Groups that no action need be taken by SC 3.2. Proposed changes that were agreed on at our meeting will be added to a new draft revision of the Flow Diagram and sent to members for comment. When this new Flow Diagram has been approved, copies will be provided to the LV and HV Working Groups as guidelines to be used during standards development in which definitions are included. It was agreed that those members from the LV Working Groups present would carry the message to their respective members. Representatives of the HV Working Groups will be encouraged to participate in SC 3.2 and they will also be provided with material to be presented to their members. Open Action Items related to Dictionary issues and dispositions were discussed next. These included Action Items 4, 5, 6, 7, 8, and 9 from the 10/04/06 Meeting Minutes.

Action Item # Action Item / (Responsible Individual) / Status

#4 “Multiservice surge-protective device” as a new definition was placed on hold pending a formal submittal from WG 3.6.10. It is understood that this term is still being worked on. (C. Lindquist / Tony Surtees)

This is an ongoing issue. The term was modified at the subsequent WG 3.6.10 meeting and we will wait for formal submittal to SC 3.2.

#5 Continue to review C62 standards for definitions that are not presently included in any of the dictionaries.

(C. Lindquist)

This is an ongoing effort.

#6 Continue to review TC-37 definitions for compliance with terms presently in the IEEE-SPDC Dictionary.

(M. Maytum)

This is an ongoing effort.

#7 Add C62.35 Definitions to SPDC Dictionary after successful ballot by WG 3.6.2. (C. Lindquist)

These definitions have been posted on the Community Web Site under “Interim Definitions”. They will be added to the SPDC Dictionary after successful balloting of C62.35. This had still not been completed as of the Fall SPDC meeting.

#8 Get copy of IEC / PAS 60099-7 “Surge Arresters Part 7 – Glossary of terms and definitions from IEC publications 60099 – 1 , 60099 – 4, 60099 – 6, 61643 – 1, 61643 – 12, 61643 – 21, 61643 – 311, 61643 – 321, 61643 – 331, and 61643 – 341”. (J. Koepfinger)

Joe Koepfinger has not attended meetings in 2005 nor 2006.

#9 The Flow Diagram for submitting new terms to SC 3.2 and procedures to be followed was presented to the members of

the subcommittee for reaffirmation. This issue raised questions from members of the subcommittee concerning some definitions possibly bypassing the SC 3.2 review. It was agreed that the Flow Diagram should be modified to require submission of all revised and new standards by the associated Working Group to SC 3.2 for review of the definitions when work was completed for each document. The Flow Diagram was changed and tentatively agreed upon at the meeting. A final draft of the changed document will be distributed to participating members of SC 3.2 for concurrence. A motion was made, seconded and passed unanimously to make changes.

Symbols Library:

Task Force #1 had been created at the Spring, 2004 meeting to "Proceed to develop symbols for SPD's and their components". This has progressed to a point where we now have a preliminary Application Guide, prepared by Leonard Drewes, for how to build the new symbols in Visio and how to use these symbols to build a circuit diagram for use in SPDC Standards. Additional information and details will be added for our next meeting. It was agreed that Mick Maytum in Working Group 3.6.2 will employ these symbols and the procedures in the rework of C62.37.1. The proposed new "Symbols Library" will be reviewed again with examples of symbols and typical circuits that have been generated using Microsoft Visio as the preferred software selected at the last meeting. This Task Force has been continuing to review this area with regard to a new Scope and methods of approaching this endeavor to insure symbol standardization, ease of use and compatibility with IEEE Standards developers. Open Action Items related to the Symbols Library issues and dispositions were discussed next. These included Action Items 13, 14 and 15 from the 05/04/05 Meeting Minutes.

Action Item # Action Item / Status

#10 Get copy of IEC Symbols document(s) for review of compatibility with IEEE Std. 315. (C. Lindquist / M. Maytum)
Complete. Symbols library IEC 60617 was provided by Mick Maytum.

#11 A Task Force consisting of M. Maytum, F. Waterer, A. Offner, D. Wilson and L. Drewes will review potential content for a tentative document scope and establish direction for the proposed new Symbols Library for SPDC. This information will be provided for the Fall, 2004 SC 3.2 meeting. (M. Maytum, F. Waterer, A. Offner, D. Wilson and L. Drewes)

8

Leonard Drewes provided a report and brief presentation on work to date using Visio and generating necessary initial component schematic symbols. It was agreed that Leonard will attempt to generate the schematics for C62.33, presently being updated in WG 3.6.2. This will be treated as a pilot program to determine if the technology will work and can be applied easily. If this pilot program is successful, the Task

Force will provide a report to SC 3.2 and we will consider expanding the pilot to other Working Groups. Leonard also provided a preliminary draft of an Application Guide that will be expanded on.

#12 Follow disposition of some newly proposed SPD Graphical Symbols introduced by the IEC. (J. Koepfinger)

This is an ongoing effort. Joe Koepfinger was not present at the 2005, 2006 or 2007 meetings to report on any related issues.

Old Business:

None

New Business:

None

Summary of Action Items for Fall, 2007 Meeting: (Responsible Member)

1) It was agreed at the Fall, 2006 meeting that a letter requesting approval of a new disclaimer would be generated and forwarded to Kim Breitfelder, IEEE, Piscataway, NJ, for review and approval. A letter was generated and forwarded to Kim Breitfelder on 10/09/06. No formal reply was ever received from Kim. (C. Lindquist)

A follow-up letter to confirming that SC 3.2 had voted to proceed with this disclaimer was sent to Kim Breitfelder via E-Mail on 06/22/07 by C.

Lindquist. A reply from Lauren Suppa, Senior Administrator, Business Development, accepting our disposition and advising that the proposed wording was acceptable, was received the same day. This E-Mail reply and the original letter requesting approval will be retained as formal authorization for our future activities in this area.

2) Continue to look into sources of IEEE SPDC Archive papers and potential methods for posting. Task Force #3 was created to assist in this effort. (Andi Haa / Francois Martzloff / Mick Maytum / Darrel Wilson)

3) The list of 14 Categories of papers has been developed by Francois Martzloff. This list of categories has been formally accepted by SC 3.2 and it was agreed that the list would be provided to the LV and HV Subcommittees, as well as to all associated Working Groups. (Carl Lindquist)

4) Continue to review Access Database to enhance Bibliography search capability relative to searching with Acrobat 5 or later. Task Force #2 was created to assist in this effort. It was recommended that Task Force #2 be merged with Task Force #3 to simplify the efforts on generating a database. (F. Martzloff / Mick Maytum / Darrel Wilson)

5) Ken Brown raised the issue of possibly providing an on-line "History of Changes" for Standards developed in IEEE-SPDC at the Spring, 2007 meeting. This would consist of either a full archive of all earlier revisions of existing standards, or a summary of changes incorporated in each reissued standard. It was pointed out that this may better fit under the scope of A&S or IEEE Headquarters. The amount of work associated with old versions of existing standards would be extensive. Creating such a "History of Changes" for each standard going forward would best be

carried out by the responsible Working Group. The primary purpose of such an archive or summary would be to assist future Working Group participants to assess the original wording employed when prior changes were made to a standard.

It was agreed that more clarification would be required to determine if the amount of work associated with this recommendation would be justified and who would oversee this work if it is taken on.

Mick Maytum, SC 3.7 Chairman, noted that there may be computer space restrictions to take into account for such a large undertaking.

(C. Lindquist / Ken Brown)

6) "Multiservice surge-protective device" as a new definition was placed on hold pending a formal submittal from WG 3.6.10. It is understood that this term has been renamed and will be submitted to SC 3.2 for review prior to completion of the standard. (C. Lindquist / Tony Surtees)

7) Continue to review C62 standards for definitions that are not presently included in any of the dictionaries. (C. Lindquist)

8) Continue to review TC-37 definitions for compliance with terms presently in the IEEE-SPDC Dictionary. (M. Maytum)

9) Await final balloting of C62.35 to move Interim Definitions to next revision of IEEE – SPDC Dictionary. (C. Lindquist)

10) Get copy of IEC / PAS 60099-7 "Surge Arresters Part 7 – Glossary of terms and definitions from IEC publications 60099 – 1 , 60099 – 4, 60099 – 6, 61643 – 1, 61643 – 12, 61643 – 21, 61643 – 311, 61643 – 321, 61643 – 331, and 61643 – 341". (J. Koepfinger)

11) Review SPDC Dictionary and Definitions Flow Diagram immediately for corrections and updates. The updated documents will be sent to all members of SC 3.2 for review and comment. When consensus has been achieved, the new documents will be posted. This review task will be added to the agenda to be performed at every meeting in the future. Changes to the Flow Diagram were agreed upon at the Spring, 2007 meeting and the updated document (Revision 4 Draft) will be posted for review by members of SC 3.2 prior to the next meeting.

It was agreed that, upon completion of the new Flow Diagram, efforts will be made to make the HV and LV Working Groups and Subcommittees aware of the need to provide new and reissued standards to SC 3.2 for review. The LV Working Groups will be contacted as follows:

Mick Maytum: 3.6.10 and 3.6.2

Andi Haa: 3.6.6 and 3.6.9

Need volunteer: 3.6.1 and 3.6.3

HV Working Groups and Subcommittees will be contacted by Carl Lindquist.(C. Lindquist)

12) A copy of IEC Symbols document was obtained from Mick Maytum. Based on a quick review of this document, it will not be as useful as IEEE Std. 315 in establishing our minimal set of symbols for use in IEEE-SPDC documents. (C. Lindquist / M. Maytum / L. Drewes)

13) A Task Force consisting of M. Maytum, F. Waterer, A. Offner, D. Wilson

and L. Drewes will continue to review potential content for a tentative document scope and establish direction for the proposed new Symbols Library for SPDC using Visio. L. Drewes has agreed to create a basic set of symbols using Visio and he will use these elements to generate actual schematics for a pending reissue of C62.33 in WG 3.6.2.

Leonard has generated a draft of an Application Guide that was well received. He will proceed to expand on this draft. Other members will assist in completing the Application Guide. As members of SC 3.2 generate comments on the Application Guide and any new symbols or drawings for C62.33, they should be forwarded to Leonard Drewes and Carl Lindquist. The Task Force will report latest results at the Fall, 2007 SC 3.2 meeting. (M. Maytum, F. Waterer, A. Offner, D. Wilson and L. Drewes)
14) Follow disposition of some newly proposed SPD Graphical Symbols introduced by the IEC. (J. Koepfinger)

Andi Haa volunteered to become the Secretary for SC 3.2 and she provided the notes used in generation of these minutes. I thank all attendees and guests for their participation. The SC 3.2 Subcommittee will need 4 hours for the Fall, 2007 meeting.

Carl E. Lindquist
Chairman

IEEE-SPDC Subcommittee 3.2 June 25, 2007

Minutes of HVSPD Subcommittee Meeting

Sheraton Sand Key Hotel
Clearwater Beach, FL
May 10, 2007
Steve Hensley, Chairman
-- UNAPPROVED --

1. Call to Order

The meeting was called to order Thursday, May 10, 2007 at 2:00 p.m.

2. Attendance

The following were in attendance:

Name	Affiliation	Member
Steve Hensley (chair)	Joslyn Manufacturing	M
Michael Champagne (vice chair)	Entergy	M
Iuda Morar	PacifiCorp	M
David Jackson	R. W. Beck	M
Mike Comber	Hubbell Power Systems	M
David D'Hooge	Excelon	M
Thomas J. Rozek	DTE Entergy	M
Jim Wilson	Retired	M
Rusty Robbins	Southern Co.	M
Steve Whisnant	Duke Power	M

M = Member; G = Guest; IP= Interested Party

The chair read the IEEE-SA Standards Board Bylaws on Patents and Standards to those present.

3. Minutes

The fall 2006 meeting minutes were approved with one correction. "Hubbell" was misspelled behind Mr. Comber's name.

4. Working Group Meetings were held for:

3.3.11	Continuous Rev. of C62.11	Mike Comber
3.4.8	Protection & Insulation Coord. Of Transformers	Eva Tarasiewicz
3.4.9	Surge Protection of AC Machines C62.21	Dave Jackson
3.4.13	Surge Protection of Generating Plants	Rusty Robbins
3.4.14	High Voltage Arrester Application Guide C62.22	Jody Levine/Tom Rozek
3.4.16	Separation Effects	Tom Fields
3.4.18	Insulation Coordination	Iuda Morar
3.5.7	Neutral Grounding	Steve Whisenant

5. Key Points from review of working group minutes

Note: All working groups reviewed the IEEE-SA Standards Board Bylaws on Patents and Standards to those present in each WG meeting.

3.3.13 -Continuous Revision of C62.11

Mike Comber, Chair

This WG met with 15 members and 6 interested parties. There were reports from various task forces:

TF #10: Energy Capability of station and intermediate arresters: The WG adopted one comment from Mr. Lee and suggested this test be published as an Amendment 2 to C62.11 (Test Standard). Action not yet decided.

TF # 11: Withstand of arrester bracket survey: The problem is not widespread. A laboratory re-simulation was not successful in producing the field results. Clause 8.6 of C62.11 will be eliminated in favor of a withstand test. TF #11 will be disbanded and its work will move to TF #14.

TF #12: Definitions: The TF submitted a report on all definitions contained in C62.11 and their conformance to IEEE 100 and/or the C62 Definitions as defined by the Bibliography Committee.

TF #13: The balloted comments are available for 171 and the comments were reviewed for the Annex of C62.11. This TF will issue the comments and their responses shortly and will go out for re-ballot in approximately one month.

TF #13: Test Rationale: This TF met this week and made progress on writing rationales for many of the current tests in C62.11. This will be a long process. The WG is considering how to publish this information once it is complete. Options include an informative annex to C62.11, an IEEE paper, or a stand alone document. No decision has been made.

The chair brought the WG up to date on IEC activities.

3.4.8 - Protection & Insulation Coordination Of Transformers

Eva Tarasiewicz , chair

The WG met on Thursday, May 10 with 13 members and interested parties (total).

The chair gave a brief review on comment resolution issues from the ballots of C62.22 (Application Guide) which are now in resolution. There are two outstanding issues that this WG must address:

- a. Comment #120, having to do with equation (5-1) of the balloted text. A balloter questioned this equation and the results he got when he used it. The equation was in fact wrong in the balloted text. The correction is to add a coefficient of "2" . The results are correct once the coefficient of "2" is used.
- b. Equation 5-4 was discussed. As noted in the meeting minutes from fall 2006 and spring 2006, this equation needed to be clarified because the transformer turns ratio was different for different transformer configurations (wye-wye, vs. delta-wye, etc.). Joe Keopfing agreed to write an explanatory note as to why the turns ratio was clarified. The note will be included in the re-ballot of C62.22. This concluded the discussion on the current ballot.

The chair began a discussion for this WG's work on the NEXT revision of C62.22 (Application Guide). The list is:

- a. Higher margin for aging of transformer insulation and its effects on BIL/protection - high rate of EHV transformer failures in some utilities (345 kV and above)
- b. Tertiary winding protection (of autotransformers)
- c. Winding configurations and its influence on protection considerations
- d. Surge transfer through power transformers
- e. Protection of auto transformers
- f. Clarify protective margins in next revision of document
- g. Neutral protection of wye-connected windings

3.4.9 - Surge Protection of AC Machines C62.21

Dave Jackson, chair

The WG met on Tuesday, May 8 with 4 members and 2 interested parties.

The WG continued the discussion of an IEEE paper by Peter Dick and the draft of C62.21.1 to address the stuck generator breaker issue. The question was can the breaker survive an overvoltage as described in the paper. The specific question is whether the TOV of the arrester is high enough. The WG concluded that it is not probable based on sample data. If the TOV is high enough, the arrester can't provide the proper protective level. The WG concluded that the generator protection is out of its scope because the arrester can't provide adequate protection and must depend on relaying protection.

The chair is working with the IEEE production manager to develop VuSpec™ which will have software to solve all of the equations of Annex A of C62.21 (Application Guide for Rotating Machines).

The WG discussed the outline of the Generator Protection Guide.

The chair still has to do the general manufacturer survey.

It is possible that this WG may request an extension of the PAR for C62.21.1 which is now set to expire in December 2009.

3.4.13 – Application Guide for Protection of Electric Generating Plants C62.23

Dave Jackson, Rusty Robbins, co-chairs

The WG met on Monday, May 7 with 4 members and 1 interested party.

The chair gave an update on the status of the document from the 1995 re-affirmation of the C62.23 document. It needs to be converted to the new IEEE format. The TOV statement will be included in the text. Specific generating capacity and level of connection to grid statement will also be included. The bibliography needs to be updated because it is based on the 1995 sources. It still needs work on the power line and switch yard protection clauses where other guides exist.

3.4.14 - High Voltage Application Guide C62.22

Tom Rozek & Jody Levine, co-chairs

The WG met on Wednesday, May 9 with 17 members and 5 interested parties.

The WG meeting was devoted to working on the ballot resolution of C62.22. All recommendations from the ballot resolution committee were incorporated and posted last week on the on-line community (OC). A list of remaining clean-up type assignments was made and reviewed by the chair.

3.4.18 - Insulation Coordination

Iuda Morar, Chair

The WG met on Wednesday, May 9 with 7 members and interested parties (total).

The WG reviewed the draft of C62.82.1 (Insulation Coordination Definitions). A level for a 400 kV nominal voltage level as been added to the tables to conform with the new C84.1 Standard. The WG needs to delete IEEE Std. 1312 from the list of references because it has been withdrawn. Its data has been incorporated into the latest revision of C84.1. Mick Maytum has volunteered to convert the document to the new format and it will then be ready for ballot.

The WG next reviewed C62.82. Jeff Steiner presented a comparison of C62.82. 2 with the IEC insulation coordination guide. TF #3 will continue to make comparisons between the two documents and offer suggestion on how to harmonize the IEEE document with the existing IEC document.

3.5.7 - Neutral Grounding

Steve Whisenant, chair

TF #1- At the previous meeting (fall 2006), it was stated that there was a technical error in this document and that technical errors should be noted in the minutes of this meeting. The error is that an equation associated with Figure 1 of this document should be changed to read as follows:

$$X_{cg}/3 = 1/3\omega C_g$$

TF #1 is considering a corrigendum.

TF #2 - The technical papers provided by Dave Jackson are under review. No decision yet whether to revise or reaffirm the document. The working group should reach a decision by the fall 2007 meeting.

TF #3 - A PAR has been approved to revise this document. It expires December 31, 2008. The Chair has an editable version of the document. Comments received during the reaffirmation process are being reviewed. Several sections of the old document are being updated specifically the Electrical World survey data of power plants and Table 2 on Damage Criteria. Two items have transpired since the last meeting:

1. The TF is encountering some difficulties in accumulation of data because electric utilities stopped investing in generation. Merchant power producers began installing plants and may not have been included in surveys. Dave Jackson took an action item to write to Electrical World to determine if surveys have continued in recent years. If yes, he will ask for information. If no, the WG will state in the next revision of the document that this information is no longer

available. If this produces negative ballots, the WG will move this information to an informative annex.

2. Table 2 of the document illustrates Allowable Damage Criteria for Copper and Aluminum. The TF will make calculations to determine if they need to re-write the table and review ballot comment(s).

TF #4 - A PAR was approved for the revision of this document. It expires December 31, 2009. Jim Wilson requested and received a document extension to match the PAR date. The TF Chair will generate a draft for circulation to the TF members to begin a review of the past reaffirmation comments by next meeting.

TF #5 - The Chair re-circulated his proposed responses to comments for TF review twice since the last meeting and got no responses. The TF has an editable word version of the document and most of the figures in TIF format.

The Task Force Chair presented a first draft of the updated document prior to the meeting; however it is not in the new IEEE format. Two comments remain unresolved. The TF chair took an action item to contact one of the balloters directly based on the information received from Keith Stump prior to the last meeting.

A question was raised as to whether or not this Subcommittee should prepare a response to the Zipse paper (*The Hazardous Multi-Grounded Neutral Distribution Network And Dangerous Stray Currents*). It is believed that the T&D Committee may already have begun that task. The Subcommittee will bring it to the Committee's attention at the Main Committee meeting.

6. Old Business

No old business.

7. New Business

It was requested that the WG chairs be provided with guidance on draft submission rules for IEEE. They need a flow chart with timelines.

8. Meeting Time Requirements for Fall Meeting

The following is a list of meeting time requirements for the fall 2007 Meeting in Atlanta, GA:

3.3.11	Continuous Revision of C62.11	4 hrs.	
3.3.11-TF#14	Purpose and Rationale of Tests	4 hrs.	
3.4.8	Protection & Insulation Coord. Of Transformers	2 hrs.	
3.4.9	Surge Protection of AC Machines C62.21	4 hrs.	
3.4.13	Application Guide for Protection of Electric Generating Plants.	2 hrs.	2 hrs.
3.4.14	High Voltage Application Guide C62.22	2 hrs.	
3.4.16	Separation Effects	2 hrs.	
3.4.18	Insulation Coordination	2 hrs.	
3.5.7	Neutral Grounding	2 hrs.	

10. Adjournment:

The meeting was adjourned at 3:20 p.m.

Respectfully submitted,
Michael K. Champagne,
Vice Chair

Minutes of Subcommittee 3.6 Low Voltage Surge Protective Devices

Sheraton Sand Key Resort, Clearwater Beach, FL

Thursday, May 10, 2007
Ray Hill, Chair

1. Introduction of Guests and Members

Meeting opened 1:20 pm, Introductions

2. Agenda Review and Acceptance

Agenda reviewed and approved

3. Acceptance of Fall 2006 Minutes – (postponed until Fall 2007)

The reported minutes are un-official. Official minutes will be posted prior to the next meeting. Approval has been postponed.

4. Working Group Reports plus Time and Equipment Requirements for Next Meeting

• **WG 3.6.1 Low Voltage Gap Type Surge Protective Device Components**

Chair: Wolfgang Oertel

No meeting. C62.31-2006 was published in Dec 2006.

• **WG 3.6.2 Low Voltage Solid State Surge Protective Device Components**

Chair: Michael J (Mick) Maytum

Members: 5
Interested Parties: 6
Visitors: 0

Review status of projects and PARs. On C62.37 (published), it was decided to go for reaffirmation of this document. PC62.33 was reviewed. PC62.37.1 was reviewed and created 11 action items.

Need 4 hours.

• **WG 3.6.3 Low Voltage Surge Protective Device Components Application Guide**

Chair: Tom Hartman

Members: 13 (pending approval) - approved
Interested Parties: 0
Visitors: 0

This is a re-started group. C62.42 is the target document. A PAR exists for the work. The previous ballot objections were reviewed. An action list was created for work to be done by the group. The application guide would be broken down into the applications as opposed to the technology.

Bill Travis volunteered to be secretary.

New members (approved by SC 3.6):

Dean Cousins
Robert Ashton
Dean Negrelli
Joe Degregoria
Bill Travis

Phillip Havens
Shigeru Furuta
Don Grove
James Moellmann
Sam Elalami
Dalibor Kladar
Wolfgang Ortel

Need 4 hours

- **WG 3.6.4 Surge Characterization on Low Voltage Circuits**

Chair: Bill Goldbach

Members: 14
Interested Parties: 8
Visitors: 5

The group has been discussing the next revision of the trilogy. The Working Group has nine working task forces.

An editorial review board is being formed to review the documents.

Eight action items were identified for the next meeting.

Need 4 hours

- **WG 3.6.6 Low Voltage AC Power Circuit Protective Devices**

Chair: Ron Hotchkiss

Members: 15
Interested Parties: 14
Visitors: 1

Dot 72 should be published this fall.

Joint Disconnecter TF discussions took place.

Reviewed the Dot 62 WG ballot responses and formed TFs to resolve the issues.

After motion, amendment, second, discussion and vote, it was unanimously agreed that:

WG 3.6.6 recommend to SC 3.6 that a new working group be formed (with membership from wherever appropriate technology experts exist) to create an application guide on the coordination of disconnectors and related equipment, with SPDs.

After much discussion, it was moved, seconded and approved (12 yes, 1 no, 2 abstain) that all working group members should carefully review each test to determine and ensure that the test is indeed a performance test and thereby results in a rating. All nonperformance tests shall be moved to the Informative Annex.

Two new TFs were formed to address MCOV and TOV issues. Five action items were identified for the next meeting.

Need 4 hours

- **WG 3.6.7** Low Voltage Data, Communications and Signaling Circuit Surge Protective Devices

Chair: Al Martin

Members: 10
Interested Parties: 7
Visitors: 0

Chair not present at SC 3.6 meeting due to work schedule conflict.

The WG continued work on the next revision of C62.64 which will include new technology and devices and coordinated with C62.36. NesCom approved the PAR extension to 12/31/2008. Six action items were identified for the next meeting.

Need 8 hours

- **WG 3.6.9** Performance Standard for Low Voltage Surge Protective Devices (Secondary Arresters)

Chair: Ray Hill

Members: 10
Interested Parties: 11
Visitors: 5

Dot 44 PAR extended to the end of this year. The next draft from the BRC will be sent out for recirculation late summer.

Dot 34: A new PAR was granted by NesCom.

Four task forces are working on PC62.34. Three of these are complete. Chuck Jensen volunteered to be the technical editor for 62.34.

After much discussion and review, it was unanimously agreed that the WG 3.6.9 recommend that another group, whether it be WG or TF, be established to deal with "generic disconnectors" issues.

Need 4 hours

- **WG 3.6.10 Surge Protection of Equipment Connected to Both Low Voltage AC Power and Communication Circuits**

Chair: Dr. A. J. (Tony) Surtees

Members: 8
Interested Parties: 9
Visitors: 0

The PAR of C62.51 (hardwired) has been extended to Dec 31, 2010.

The PAR PC62.50 (plug in) will expire at the end of this year and an extension has been filed. The test description template was discussed. The TII patent issue has been closed and resolved.

New Members: Dean Negrelli (approved)

There are four active task forces. It was decided to reference 3.6.6 documents over the UL document. It is intended to have a working document PC62.50 circulated to the working group for ballot by the fall meeting. Seven action items were identified for the next meeting.

Need 4 hours.

5. **Disconnecter Task Force Report/Recommendation** – Ron Hotchkiss, Chair

The recommendation of the TF is to form a working group to handle this item separately with the idea of creating an application guide to address the function and coordination of the disconnecting function and its interaction of the system.

A motion was made to form a task force for:

Taskforce "BOB": Fault Current Coordination of SPDs and the System (or something similar) within the scope of 3.6.6 and 3.6.9

Develop a PAR (not submit a PAR) which includes (amongst others):

- Scope of work
- Scope of document
- Title of the document
- Title of task force

In favor: 9
Opposed: 0
Abstain: 0

Task Force Members: Andi Haa (leader), Dalibor Kladar, Chuck Jensen, Tony Surtees, Joe Koepfinger, Joe Degregoria

Action Item: Ray Hill is to provide the task force with 2 hours of meeting time.

6. Forum 10/350 Issues – from the SC Chair

No report at this time.

7. A&S Issues – from the SC Chair

All members are encouraged (if not required) to have an online community account.

8. Working Group Titles and Descriptions / Scopes

The titles of WG 3.6.6 and 3.6.9 will be reviewed by the WG Chairs and the SC 3.6 Chair.

9. Membership Rosters – suggestion from Mick Maytum – have all WGs submit electronic rosters to SC 3.6 in a timely manner (for review and forwarding to SPDC Sec.)

The working groups are to send the updated membership rosters to the subcommittee chair within two weeks after each meeting.

10. SPD Forum Registration – suggestion from Mick Maytum – make SPD Forum registration mandatory to be a WG participant (or member) and user name to be included in the roster

All members are encouraged (if not required) to have an online community account.

11. Old Business - none

12. New Business - none

13. Adjourn – 3:00 PM

**Subcommittee 3.7
Web and Electronic Documentation Subcommittee
Notes for IEEE PES SPDC Spring 2007 Meeting**

Chair: Michael J (Mick) Maytum E-mail: m.j.maytum@ieee.org

Vice Chair: Vacant

Venue: Coquina Room, Sheraton Sand Key, Clearwater, Florida

Date: Tuesday, 8 May 2007

Start Time: 17:00

Stop Time: 18:30

9 participants

Approved of agenda without any additional meeting business
Reviewed of Fall 2006 meeting report

<https://www.ieeecommunities.org/spd?go=1393759>

New business

SPDC Websites

IEEE-SA Grouper Website

One year old! 104,050 page views in first year. (45426 for SPD Forum in 11 months) Nearly 3000 individual visitors in first year.

By next meeting, Grouper should have been created by new software and have a members only areas.

URL: <http://grouper.ieee.org/groups/spd/>

Metrics: <https://www.ieeecommunities.org/spd?go=z1071313>

IEEE SPD Forum Website

Discussion: Post naming, Enrolment, Permissions and new folders

All WGs now have their own SPD Forum subgroup, WGs can now have the own members area. 45 new members in last 11 months. Probably 50 % due to Grouper.

URL: <https://www.ieeecommunities.org/spd>

Membership Groups: <https://www.ieeecommunities.org/spd?go=1546951>

STDS-SPD Listserv

Nothing to report, 247 members. Need to compare lists: myProject, Listserve, SPDC and SPD Forum participants

IEEE-SA

Standards Development Online

Revamped site

URL: <http://standards.ieee.org/resources/development/index.html>

myProject

URL: <https://development.standards.ieee.org/>

Discussions

Content Errors in myProject: <https://www.ieeecommunities.org/spd?go=1517359>

Only phantom errors remain.

Software Problems in myProject: <https://www.ieeecommunities.org/spd?go=1517360>

Roster use and ideas

Compliance Errors in myProject: <https://www.ieeecommunities.org/spd?go=1517361>

AudCom and Operations Manual

URL: <http://standards.ieee.org/board/aud/index.html>

Accepted IEEE Standards Sponsor Procedures:

<https://development.standards.ieee.org/pub/view-sponsor-pnps?n=9>

Sponsors Procedure: PE/SPDHV Surge Protective Devices/High Voltage and PE/SPDLV Surge Protective Devices/Low Voltage:

<http://standards.ieee.org/board/aud/PES-Tech-Coun.pdf>

(IEEE Power Engineering Society Technical Council Organization and Procedures Manual
Revision: July 2003)

The 2007 PES TC submission to AudCom is not compliant with AudCom Model Sponsor P&P.

Model Sponsor and WG P&P posted on SPD Forum.

Documentation Tools

Word Template: <https://www.ieeecommunities.org/spd?go=1547319>

Word Template Guide: <https://www.ieeecommunities.org/spd?go=1547318>

Editors Laments Discussion on Template use and abuse:

<https://www.ieeecommunities.org/spd?go=1547551>

Attempt to reverse Glossary edict.

Adjournment

PES-SPDC High Voltage Standard Coordinator Report
For Spring 2007 A&S Committee Meeting
Jim Wilson – May 4, 2007

The status of the documents in the high voltage area of the SPDC is shown in the Excel file hvstdstatus.xls dated May 04, 2007.

The following have been accomplished since our fall 2006 meeting:

A draft of PC62.22 based on the comments received during the ballot of PC62.22, a revision of C62.22-1997, the Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems has been prepared for the spring 2007 WG meeting. This draft, if approved, will be used for a recirculation ballot. The PAR PC62.22 for this work has been extended for the fifth time by the IEEE-SA Standards Board until December 31, 2007. The life of the existing C62.22-1997 has been extended until the end of this PAR period, December 2007.

A PAR has been approved for PC62.11a on Short Circuit Tests, an amendment to C62.11-2005, the Standard For Metal Oxide Surge Arresters For Alternating Current Power Circuits (> 1 kV), until December 2010. A ballot of this document closed on April 29, 2007. The result of the 105

members of the ballot group was 86 approved, 6 negative, 2 abstain, and 11 no response. Working on resolving comments and preparing for a recirculation ballot.

A new PAR for PC62.21-2003-Cor 2, the Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater – Corrigendum 2: Replace Table 2 and Annexes A.1 and A.2, has been submitted to NesCom and the IEEE-SA Standards Board and is being handled using the NesCom Continuous Processing Program. It is possible the PAR may be approved by May 7, 2007. After approval a ballot group will be formed and then we will ballot this Corrigendum 2 and withdraw the PAR for Corrigendum as that item is included in the PAR for Corrigendum 2.

IEEE Std 1312-1993, the Standard Preferred Voltage Ratings For AC Electrical Systems and Equipment Operating at Voltages Above 230 kV Nominal, was withdrawn on March 28, 2007 based on the copyright transfer agreement between IEEE and NEMA and the publication of ANSI C84.1-2006, the American National Standard for Electric Power Systems and Equipment— Voltage Ratings (60 Hertz) which now includes the information that was in IEEE Std 1312-1993.

A PAR extension has been approved for PC62.82.1, a revision of Std 1313.1-1996, the Standard for Insulation Coordination – Definitions, Principles, and Rules, until December 2008.

A PAR has been approved for PC62.82.2, a revision of Std 1313.2-1999, the Guide for the Application of Insulation Coordination, until December 2010. We had been requested by IEEE-SA to withdraw the previous PAR and submit this new PAR for this document.

IEEE-SA has prepared SE148, a new all-inclusive Surge Protective Devices grand collection of documents, which replaces the existing SE131, SE132, and SE133 items.

The IEEE-SA VuSpec group has been working with C62.21-2003 to produce an interactive document for use in actually doing calculations for the user. Five SPD people are going to review this project for IEEE-SA. The first draft has been completed and our suggestions to the draft are being considered.

Matthew Ceglia is our contact for IEEE-SA, Sherry Hampton is our contact for NesCom, and Dave Ringle is our contact for RevCom.

The following should be done in the near future:

Finish the resolution of the negative ballots, finish the comment resolution spreadsheet, finish the recirculation ballot draft of the document, and conduct a recirculation ballot on PC62.22, the Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems.

Address the comments, prepare a recirculation ballot draft, and conduct a recirculation ballot on PC62.11a, the Short Circuit Tests amendment to C62.11-2005, the Standard For Metal Oxide Surge Arresters For Alternating Current Power Circuits (> 1 kV).

Finish draft, form ballot group, and ballot PC62.21-2003-Cor 2, the Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater – Corrigendum 2.

Finish draft, form ballot group, and ballot PC62.82.1, a revision of IEEE Std 1313.1-1996, the Standard for Insulation Coordination – Definitions, Principles, and Rules.

Finish draft, form ballot group, and ballot PC62.92.5, a revision of C62.92.5-1992, the Guide for the Application of Neutral Grounding in Electric Utility Systems, Part V – Transmission and Subtransmission Systems.

Submit a PAR for the revision of any of the remaining two existing and the one new neutral grounding application guides that a task force wants to revise. (C62.92.1, C62.92.2, and C62.92.6). Comments from ballots are available for the existing documents.

Current PAR expiration dates with in the next two years:

December 2007 – PC62.22
December 2008 – PC62.82.1
December 2008 – PC62.92.3

Current document expiration dates with in the next two years:

December 2007 – C62.22-1997
December 2008 – C62.21-2003
December 2008 – Std 1313.1-1996

Additional comments concerning the Standards Board and the PES Technical Council Standards Coordinating Committee.

Future IEEE Standards Board regular submittal deadline dates are:

April 27, 2007 for June 2007 meetings
August 17, 2007 for September 2007 meetings
October 15, 2007 for December 2007 meetings
February 15, 2008 for March 2008 meetings
May 2, 2008 for June 2008 meetings
August 8, 2008 for September 2008 meetings
October 20, 2008 for December 2008 meetings

The IEEE-SA myProject system encompasses the standards development process, not just the balloting process. You can find myProject on the IEEE-SA web page using <https://development.standards.ieee.org/my-site>. Among the choices at this location are:

MyBallot
Select Activity Profile
PAR Process

The IEEE-SA Welcome to IEEE Standards Development Online, including such items as the IEEE Style Manual and the IEEE MS Word Template, can be found on the IEEE-SA web page using <http://standards.ieee.org/resources/development/index.html>

Answers to frequently asked questions about myProject and my Ballot can be found on the IEEE-SA web page using <http://standards.ieee.org/db/balloting/mbfaq.html>

The Standards Board has provided revised pages on Patents in Standards. The first page is instructions for Working Group Chairs to review and the last five pages are to be shown at each Working Group meeting. These pages can be found on the IEEE-SA web page using <http://standards.ieee.org/board/pat/pat-slideset.ppt>.

The IEEE Code of Ethics can be found on the IEEE web page using http://www.ieee.org/portal/index.jsp?pageID=corp_level1&path=about/whatis&file=code.xml&xsl=generic.xsl.

Information on existing PARs can be found on the IEEE-SA web page using <http://standards.ieee.org/board/nes/approved.html>

Information on the status of any of the IEEE-SA documents can be found on the IEEE-SA web page using <http://standards.ieee.org/db/status/index.shtml>
IEEE, PES, SPDC Low-Voltage Standards Coordinator Report
William Goldbach

Clearwater Beach, FL May 7, 2007

The following items have been completed since the last meeting or need action to complete:

C62.34 (R2001) (Standard for Performance of Low-Voltage Surge-Protective Devices (Secondary Arresters)). PAR approved until 12/2010. Work on the draft continues.

C62.35 (STANDARD TEST SPECIFICATION FOR AVALANCHE JUNCTION SEMICONDUCTOR SURGE PROTECTIVE DEVICES), PAR approved until 12/2007. Work on the draft continues.

C62.42 (Guide for the Application of Surge Protective Devices for Use in Low-Voltage Circuits) Published in 2006

C62.44 (GUIDE FOR THE APPLICATION OF LOW-VOLTAGE (1000 VOLTS RMS OR LESS) SURGE PROTECTIVE DEVICES USED ON SECONDARY DISTRIBUTION SYSTEMS (BETWEEN THE TRANSFORMER LOW-VOLTAGE TERMINALS AND THE LOAD SIDE

OF THE SERVICE ENTRANCE PANEL) Draft balloted, and BRC formed. PAR approved until 12/2007. Work on the draft continues.

C62.64 (Standard Specification for Surge Protectors Used in Low-Voltage Data, Communications, and Signaling Circuits), Published in 2006

C62.72 (Guide for the Application of Surge-Protective Devices for Low-Voltage AC Power Circuits). At IEEE publisher.

The following PAR extensions or revised PARs will be necessary and submitted for the October 16 deadline, for the NesCom meeting, to continue work on the projects. This date is also applicable for any RevCom submittal.

If not renewed by the end of this year all of these projects will expire and new PARs will have to be created. Projects will no longer be extended, and official submittals and approvals will be required.

Standards that are allowed to expire will be administratively withdrawn.

New PAR's have been approved

PC62.39 - Test Methods for Self-Restoring Current Limiter Components used in Telecommunication Surge Protectors

PC62.69 - Standard Specifications for Self-Restoring Current Limiter Components used in Telecommunication Surge Protectors

A summary and status of all the active projects are shown in LV Std Report 5-6-2007

William Goldbach
IEEE, PES, SPDC Low-Voltage Standards Coordinator