

**Meeting Minutes  
LVSD Subcommittee Meeting  
St. Pete Beach, FL  
May 9, 2007**

<b>Members:</b>	P. Barnhart D. Gohil J.C. Maurice T. Olsen D. Sigmon	D. Edwards N. Gunderson D. Mazumdar B. Puckett A. Storms	K. Flowers A. Livshitz A. Morse C. Ross P. Sullivan
<b>Honorary Members:</b>	H. Hess P. Notarian	J. Jerabek S. Telander	W. Laubach
<b>Guests:</b>	M. Abrahamsen M. Flack S. Meiners A. Patel	D. Colaberardino H. Josten A. Morgan R. Sarin	D. Dunne F. Mayle C. Morris P. Terry
<b>Excused Absence:</b>	N. McQuin	J. Mizener	G. Nourse

**Absent:**

**1. Introduction of members and guests**

The meeting was called to order by Doug Edwards at 1:33 PM. Mr. Edwards welcomed the members and guests, recognized the first-time attendees, and introductions were made.

**2. Review of the IEEE Patent Slides**

IEEE-SA rules on Patents were reviewed prior to further discussions. The introductory slide, and slides #1 through #5 of the IEEE-SA Patents Slide Set dated 1-May-2007 were shown.

The S/C meeting attendees were advised:

- The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the IEEE-SA Standards Board Bylaws;
- Early identification of patent claims which may be essential for the use of standards under development is encouraged;
- There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the S/C, nor the S/C chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

The participants were provided an opportunity to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of the standard which will result from the activity of the WG.

No responses were received during the meeting regarding patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.

**Meeting Minutes  
LVSD Subcommittee Meeting  
St. Pete Beach, FL  
May 9, 2007**

**3. Approval of the minutes of the Fall 2006 Milwaukee, WI meeting**

The minutes of the October 4, 2006 meeting held in Milwaukee, WI were distributed via email, reviewed on screen, and approved by the WG.

**4. Reports**

**a. ADSCOM Committee Report**

A complete summary will be posted (document S07LVSDa3.pdf). Some highlights (relating to LVSD) from the ADSCOM meeting were:

- Switchgear Assemblies S/C will initiate a task force to review seismic concerns
- Regarding C37.100, WG's may incorporate the definitions into their standards, as the WG's see fit.
  - o Action: LVSD WG's will review the definitions in C37.100 and add applicable definitions to the Standard (or Guide) at next revision effort.
- Regarding C37.100.1, WG's should reference the common clauses in C37.100.1 when appropriate.
  - o Action: LVSD WG's will review the common clauses in C37.100.1, and update the Standards (Guides) to reference these common clauses, where appropriate.

**b. IEC Report – IEC 17B MT15**

Currently, there is still no participation in this group by any members of the LVSD subcommittee. It was reported by Doug Edwards that there is no update is available from this group, though it was noted on their website that they are in the process of revising IEC 60947-2. The activities of this group are recorded at the following web address:

<http://www.iec.ch/cgi-bin/procgi.pl/www/iecwww.p?wwwlang=E&wwwprog=dirwg.p&ctnum=1144>

**c. IEEE SCC21 Meeting**

Currently, there is still no participation in this group by any members of the LVSD subcommittee. It was reported by Doug Edwards that there is no update is available from this group. The activities of this group are recorded at the following web address:

<http://grouper.ieee.org/groups/scc21/wg.html>

**Working Groups**

**d. C37.13: Low Voltage AC Power Circuit Breakers used in Enclosures**

A complete summary will be submitted will be posted (document S07LVSDa4.pdf). The following items highlighted the discussions:

- A request for clarification regarding 50 Hz testing to validate a 60 Hz rating was discussed by the WG. A response was drafted, with only some minor editorial corrections left open. The proposed response will be forwarded to the LVSD S/C by May 18, 2007 for approval.
- Discussions of the clarification led to amendments to D20. Wording was added to clarify the requirements to verifying trip systems for 50/60 Hz rated devices.

**Meeting Minutes  
LVSD Subcommittee Meeting  
St. Pete Beach, FL  
May 9, 2007**

**e. C37.13.1: Guide for Low-Voltage AC Removable Elements Other than Low-Voltage AC Power Circuit Breakers Used in Enclosures**

Bob Puckett reports that since the last meeting, that C37.13.1 has been published (October 2006). Bob motioned that the WG be disbanded. The motion was seconded by Dean Sigmon, and unanimously approved. Doug thanked the former WG members for their efforts.

**f. C37.16: Standard for Preferred Ratings, Related Requirements, and Application Recommendations for Low-Voltage AC (635V and below) and DC (3200V and below) Power Circuit Breakers**

The complete minutes for this meeting will be posted (document S07LVSDa6.pdf). The following items were brought to subcommittee attention:

- The PAR was approved in December 2006.
- Dean Sigmon will lead a review of the general purpose DC tables, with results available before next WG meeting.
- Chuck Ross will lead a joint review of the DC traction system tables with the Vehicular Technology Society in June, 2007, with results available before the next WG meeting.
- Tables associated with field-discharge breakers were added back into the document because C37.18 has not been withdrawn, at this time.
- The "old" table numbering system will be replaced by a renumbering of the "new" tables for the next draft. This is because the structure and order of many tables have been radically changed, and continued use of the old numbering no longer made sense.
- Keith Flowers and Jeff Mizener proposed a revamped "trip system ratings" section that was accepted by the WG.

Action item: A general discussion was held on where the preferred ratings should reside (a stand alone document – like current, or if the preferred ratings should be incorporated in the requirements documents – i.e. C37.13, C37.14, or C37.17). This discussion was tabled for a future S/C meeting.

**g. C37.17: Standard for Direct-Acting Trip Systems for Low-Voltage (up to 635 V) AC and General Purpose Low Voltage (up to 325 V) DC Power Circuit Breakers**

Complete minutes will be posted (document S07LVSDa7.pdf). The following items were brought to subcommittee attention:

- The definitions were reviewed at length. New definitions were added reflecting current terminology. Out-dated terms were noted as legacy terms.
- It was determined to add an appendix for figures to clarify and explain time-current curve characteristics.
- Draft 2 will be distributed by May 25, 2007 to the WG for comments.

**h. C37.27: Application Guide for LV AC Fused Power Circuit Breakers Applied with Separately Mounted Fuses**

A complete summary will be submitted will be posted with the report for C37.13 (document S07LVSDa4.pdf). The following items were brought to subcommittee attention:

**Meeting Minutes  
LVSD Subcommittee Meeting  
St. Pete Beach, FL  
May 9, 2007**

- Discussion initiated with a clarification of nonintegrally fused and separately fused. This led to a title change from “Application Guide for Low-Voltage AC Nonintegrally Fused Power Circuit Breakers (Using Separately Mounted Current-Limiting Fuses)” to “Application Guide for Low-Voltage AC Power Circuit Breakers Applied With Separately Mounted Current-Limiting Fuses”
- Discussion followed concerning the technical soundness and appropriateness of the standard lead to consideration to withdraw the standard. This is balanced with the need for this Guide. It was decided that C37.13 will not be held up for this review. C37.27 review of this issue will be continued.

**i. Update Document Status**

Document Status was passed around room and for updates. The document status will be posted on the IEEE website (document S07LVSDa2.pdf). Working Group memberships were discussed and updated.

**5. Old Business**

**a. Membership Recruitment**

The following proposals were discussed to attract community interest in the Philadelphia meeting this October:

- There are five significant sized universities within Philadelphia. It was proposed to work with ADSCOM to encourage involvement from the universities in the Sunday night social, as a networking and recruitment tool.
- Also pulling from the universities and the local IEEE society, encourage involvement in the Tuesday luncheon.
- Bob Puckett will determine appropriate contacts at the local IEEE society.

**b. S/C Membership Recruitment**

The S/C recognized the contributions of Chuck Ross to this S/C. Dean Sigmon motioned that Chuck Ross be added to the S/C membership. This motion was seconded by Deepak Madzumdar, and unanimously approved.

**c. IEEE-SA Patent Policy**

This policy was recently revised, and special attention was given point out the changes from the previous policy. The IEEE-SA patents policy must be reviewed during every WG meeting. The patents materials are available at <http://standards.ieee.org/board/pat/pat-slideset.pdf>. The IEEE-SA Patent Policy was reviewed at all LVSD Working Group meetings.

**d. IEEE Aliases**

Aliases are preferred contact means for the main committee and subcommittee secretaries for correspondence to members and guests. The process for Guests who would like an IEEE alias, to set up an alias, is as follows:

- Note: You can review the IEEE Member E-Mail Alias Service Agreement - URL: <http://eleccomm.ieee.org/service-agreement.shtml>

**Meeting Minutes**  
**LVSD Subcommittee Meeting**  
**St. Pete Beach, FL**  
**May 9, 2007**

- Setup your IEEE Email Alias - URL: <http://elecomm.ieee.org/>
- Select the Link to "Register For An IEEE Alias" or as appropriate.
- Enter your data
- Test that new email address works by sending yourself and email. Note - some companies have Firewall protection that may filter out these emails. If this is the case, I wish you all the best but hopefully your IT department manager can be persuaded to all make allowance for use of this address.
- Submit your new alias to [k.s.edwards@ieee.org](mailto:k.s.edwards@ieee.org) (Main Committee Secretary) and [keith.flowers@ieee.org](mailto:keith.flowers@ieee.org) (LVSD Secretary)

**e. C37.14**

A task force was created by the S/C at the previous meeting. This task force was led by Chuck Ross, and met on May 8, 2007. Complete minutes will be posted (document S07LVSDa5.pdf). The task force recommended to the S/C that a WG be initiated to initiate a PAR and begin a revision effort to correct some issues with the standard. The biggest issue is centered around better defining 9 MW transit systems.

Nancy Gunderson motioned that a C37.14 WG be formed. Her motion was seconded by Allan Morse, and passed unanimously. Chuck Ross was appointed WG Chair. The S/C also recommended that a co-sponsorship be sought with the VT Society to support this effort.

**6. New Business**

**a. C37.13 Clarification Request**

The C37.13 WG drafted a response to a request for clarification on 50 Hz testing to verify a 60 Hz rating. Final editing will be completed in next days, and the final draft will be circulated to the S/C by May 18, 2007 for final approval.

**b. Procedure for Meeting Rooms**

From WG Chairs to Sub-committee Chair (not directly to Switchgear Committee secretary. WG Chairs, advise the Sub-Committee Chair concerning WG meeting room requirements (preferred schedule, number of participants, and A/V needs). Provide details to Doug Edwards no later than May 18, 2007. Requirements will be provided to Switchgear Committee secretary (Ken Edwards) by May 25, 2007.

**c. Using myRoster within myProject**

Currently the use of myRoster within myProject is optional. The current state of the feature is rather unwieldy to use. This S/C has decided to not adopt myRoster at this time.

**d. LVSD Roster**

It is requested that the members and guests update the Roster with their IEEE member ID. This simplifies the roster update process for the WG chairs, who report their rosters to IEEE yearly.

Action: Please send updates to the roster to [keith.flowers@ieee.org](mailto:keith.flowers@ieee.org).

**Meeting Minutes  
LVSD Subcommittee Meeting  
St. Pete Beach, FL  
May 9, 2007**

**e. Main Committee Meeting Items – Review items to be presented**

The following items were requested to be brought to the Main Committee's attention:

- C37.13.1 complete, and WG disbanded
- C37.13 clarification on 50/60 Hz rating
- C37.14 WG formed, VT Society co-sponsorship sought

**f. Up-coming Meetings**

- Fall 2007 – Oct 14 – 18, Philadelphia, PA
- Spring 2008 – May 4 – 8, Orlando, FL (tentative)

**7. Adjourn**

The meeting was adjourned at approximately 3:00 PM.

Minutes submitted by:

Keith Flowers  
May 9, 2007