

**AGENDA**  
**LVSD Subcommittee Meeting**  
**San Luis, Galveston Island, Texas**  
**May 10, 2006**

<b>Members:</b>	P. Barnhart D. Gohil D. Mazumdar	D. Edwards N. Gunderson A. Morse	K. Flowers A. Livshitz P. Notarian
<b>Honorary Members:</b>	H. Hess S. Telander	J. Jerabek	W. Laubach
<b>Guests:</b>	M. Abrahamsen D. Dunne T. Hood S. Meiners J. Wiseman	S. Benson T. Faber H. Josten M. Wactor	D. Colaberardino M. Flack F. Mayle A. Wilson
<b>Excused Absence:</b>	J.C. Maurice B. Puckett	J. Mizener D. Sigmon	G. Nourse
<b>Absent:</b>	N. McQuin	N. Simon	A. Storms

**1. Introduction of members and guests**

The meeting was called to order by Doug Edwards at 1:35 PM. Mr. Edwards welcomed the members and guests, and introductions were made.

**2. Approval of the minutes of the Fall 2005 Montreal, Quebec meeting**

The minutes of the October 5, 2005 meeting held in Montreal, Quebec, Canada were distributed, reviewed on screen, and approved.

**3. Reports**

**a. ADSCOM Committee Report**

The minutes to the ADSCOM meeting will be published with the Switchgear Committee minutes.

- C37.100 at this time is still a standard. There is a goal for IEEE to convert this document to a compendium, but this is not complete at this time.
- The Switchgear Committee is co-sponsoring a petition to change the IEEE Metrification policy.
- IEEE has transitioned from *MyBallot* to *MyProject*. This transition was fairly transparent to most users, but for some users (particularly committee, subcommittee, and WG chairs) additional menus are available.

**b. IEC Report – IEC 17B MT15 (Berlin, Sept. 26 – 28, 2005)**

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

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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**

A complete summary will be submitted will be posted (document S06LVSDa3.pdf). 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 S06LVSDa4.pdf). PC37.13/D15a ballot comments were discussed. The following items highlighted the discussions:

- The service condition minimum of -30C was changed to synchronize with the C37.20.1 requirements. The final wording was determined to read: "The temperature for the air surrounding the enclosure of -30C," instead of the air directly at the device.
- The test programs for dual rated breakers of 50/60 Hz were discussed. The final position of the WG was that the test requirements of the document would not change.
- The test program for the circuit breakers will reflect that the maximum number of MOC and TOC contacts are required.
- C37.13 requires that certain words be to display breaker status (such as springs charged/discharged, or breaker open/closed). It was requested that symbols be permitted in place of the required words. The determination of the group was that symbols in accordance with IEC 417 would be permitted in addition to the required words, but not in place of the words.
- The wording from C37.20.1 was added to describe field dielectric tests should be conducted at 75%.

**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 C37.13.1 has been submitted to RevCom. RevCom is scheduled to review the document at their June 2006 meeting. Bob expects the document to be approved at this meeting.

**f. C37.16: LV Power Circuit Breakers and AC Power Circuit Protectors – Preferred Ratings, Related Requirements, and Application Recommendations**

Complete minutes will be posted (document S06LVSDa5.pdf). Of particular note, it was the recommendation of the C37.16 WG that tables 22A and 22B provide more value in C37.17. The WG Chair and various members of C37.17 were present during the meeting, and it was agreed that C37.17 would incorporate those two tables, and C37.16 would delete them.

**AGENDA**  
**LVSD Subcommittee Meeting**  
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**g. C37.17: American National Standard for Trip Devices for AC and General Purpose DC Low-Voltage Power Circuit Breakers**

Complete minutes will be posted (document S06LVSDa6.pdf). The following items were brought to subcommittee attention:

- There is no standard coverage for DC trip systems for DC circuit breakers between 325 VDC and 3200 VDC. A subgroup has been assigned to make recommendations to the complete working group on how to properly cover DC trip systems.
- Additional text is going to be required to adequately describe undervoltage trip devices.
- In earlier discussions some critical procedures for qualifying trip systems was inadvertently deleted. This content will need to be added back into this document.

**h. C37.27: Application Guide for LV AC Nonintegrally Fused Power Circuit Breakers**

A complete summary will be submitted will be posted with the report for C37.13 (document S06LVSDa4.pdf). PC37.27/D9 ballot comments were scheduled to be discussed, but were not because of time constraints. Doug Edwards agreed to arrange a telephone conference to discuss the ballot comments.

**i. Update Document Status**

Document Status was passed around room and for updates. The document status will be posted on the IEEE website (document S06LVSDa2.pdf). Working Group memberships were discussed and updated.

**4. Old Business**

**a. Membership recruitment**

Interest has grown in recent years, most likely associated to WG activity. It is generally felt it could be better. Actions have been taken in the past to invite local industry and universities, with very limited success. The following ideas were proposed:

- Improving the LVSD web pages will provide greater understanding of who we are, and could build interest.
- Contact companies that have supported the Switchgear Committee in the past, and query for persons who are qualified, and could be interested in participating in behalf of their organization.
- Focus on colleges and universities who have Power Engineering programs.
- It was proposed that the Main Committee develop a schedule of discounted meeting fees for first time meeting attendees.
- Provide better documented continuing education credits (targeting continuing education requirements for P.E. license maintenance).
- Advertising the meetings through the main IEEE and IEEE-PES websites, as well as in IEEE publications.

The general consensus is that the LVSD website is difficult to locate, and contacting the local industry and universities has had very limited success. The best path forward is to solicit help from ER&P to improve the marketing of the Switchgear Committee meetings by articles and advertisements in *Spectrum*, as well as society magazines for PES and IAS. Also, it needs to be determined who can get the Switchgear meetings on the general IEEE calendar, for publishing on the IEEE website.

**AGENDA**  
**LVSD Subcommittee Meeting**  
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**May 10, 2006**

**b. IEEE Aliases**

LVSD is two members short of having IEEE aliases set up for the entire membership. It is expected that all LVSD members will have completed prior to the Fall meeting.

**c. New Members**

It was proposed and approved by the subcommittee that membership be extended to Keith Flowers, Alan Morse, and Paul Sullivan. Paul Sullivan's membership was pending Paul's acceptance, since Paul was unable to attend this meeting to accept the subcommittee's offer.

Note: Subsequent to meeting, Paul Sullivan was contacted, Paul accepted nomination for membership and is moved to membership status.

**5. New Business**

**a. IEEE-SA patent 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> It was commended that this requirement is being well followed by the WG chairs, with an advisement to remember to keep it up.

**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 July 24, 2006. Requirements will be provided to Switchgear Committee secretary (Bill Long) by July 31, 2006.

The strong recommendation from the subcommittee chair is for the WG chairs to provide that detail prior to May 12, 2006.

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

Doug Edwards will present the ideas of this subcommittee regarding increasing visibility to Switchgear Committee activities, and hopefully increasing participation by the users of these types of devices and equipment.

**d. Up-coming Meetings**

Fall 2006 – Oct 1 – 5, Milwaukee, WI (Hyatt Regency Milwaukee)  
Spring 2007 – May 6 – 10, tentatively set for St. Pete Beach, FL  
Fall 2007 – Sept 30 – Oct 4, Philadelphia or Pittsburgh

**6. Adjourn**

The meeting was adjourned at approximately 2:45 PM.

Minutes submitted by:

Keith Flowers  
May 10, 2006