

**Low Voltage Switchgear Devices (LVSD) Subcommittee
Minutes of the 2005 Fall Meeting
Tradewinds – Island Grand
St. Pete Beach – May 11, 2005**

The Low Voltage Switchgear Devices Subcommittee met on May 11, 2005, with 12 members and 11 guests present. There were 5 excused absences.

Members: P. Barnhart D. Mazumdar R. J. Puckett
 D. Edwards N. McQuin M. D. Sigmon
 S. S. Gohil G. R. Nourse S. Slattery
 A. Livshitz T. W. Olsen A. Storms

Guests: E. Byron K. Flowers A. Morse
 G. Cirves N. Gunderson T. Roscoe
 D. Dunne F. Mayle P. Sullivan
 P. Dwyer J. Mizener

Excused: H. Hess P. J. Notarian
 J. M. Jerabek S. H. Telander
 W. E. Laubach

Absent: N. H. Simon

1. Introduction of members and guests

The meeting was called to order at 8.03 AM by Shaun Slattery with Doug Edwards as secretary. Mr. Slattery welcomed the members and guests and introductions were made.

2. Approval of the minutes of the Fall, 2004 Tucson, AZ meeting

S. Slattery

The minutes of the September 22, 2004 meeting in Tucson, AZ were reviewed on screen and were approved with one correction – Title had incorrectly stated “Spring” instead of “Fall” meeting.

3. Reports:

S. Slattery

Complete minutes from the WG meetings will be posted.
Brief highlights as discussed in the LVSD meeting follow.

a. ADSCOM Committee Report:

S.

Slattery

- Minutes will be posted separately.
- C37.100 was ballots and WG is reviewing comments. Comments are being reviewed for re-ballot by end of year.
- C37.59 was reviewed and is to be balloted for review of ballot comments at fall 2005 meeting.
- C37.29 is still in the process of being withdrawn. This process is on-going.
- Switchgear committee membership. Not having a quorum has been an issue and actions being reviewed to address this issue. AdsCom is reviewing a member emeritus status. Membership is reviewed by Main Committee based on PES participation in WG's and balance.
- Software levels for documents – Voting is through IEEE MyBallot. WORD 2000 and Acrobat Reader 7 are targeted minimum levels.
- Meeting coordination group was considered.

- Credit Card usage – Expenses were reviewed. These efforts for payment with credit cards will be moved forward. Target for availability for such payment is forecast for next meeting in fall 2005.
 - PES Technical Council – Request is for papers from PES. Papers on switchgear subjects are encouraged.
 - Future directions – Approximately 95% of activities are in maintenance and creation of standards. Other activities (papers) were encouraged.
 - For balloting of documents – MyBallot Excel Comments file (unmodified) is to be used. There were problems with the use of Excel file for items that are better handled in WORD such as special symbols and equations. WG Chairs are encouraged to include the Excel form (at this time pending IEEE allowance for use of WORD Form 8c) so that the voter can more easily access there comments.
- b. **IEC Report (IEC 17B/MT15 – Formally IEC 17B/WG5):** S. Slattery
- Minutes will be posted separately.
- c. **IEEE SCC21 Fuel Cells, Photovoltaic** S. Slattery
- Minutes may be reviewed at URL: <http://grouper.ieee.org/groups/scc21/>
 - Nigel McQuin will provide future coordination details and minutes.
- d. **Working Groups**
- i. **C37.13 Low Voltage AC Power Circuit Breakers used in Enclosures** D. Edwards
- WG reviewed and created draft 13.
 - One open action item – Request to C37.50 (NEMA) to be made concerning frame grounding tests. Detailed text was removed from C37.13 and review of this will be requested of C37.50 for inclusion in their upcoming revisions.
 - Bob Puckett comments review to be complete in June and ballot initiated.
- ii. **C37.13.1 Standard for Definite Purpose Switching Devices for Use in Metal Enclosed Low Voltage Power Circuit Breaker Switchgear** R. Puckett
- Currently at Draft 12c was submitted to IEEE for editorial review.
 - MyBallot was initiated. Invitation to join ballot group closes June 2, 2005.
 - Reviewed document 12c.
 - Operation minimum temperature reduced to -30 °C.
 - Fuse voltage ratings discussed but remain unchanged.
 - Maintenance cycle during mechanical endurance to be eliminated.
 - Dielectric tests changed from 75% to 80% after interruptions and maintenance for harmonization with C37.100.1.
- iii. **C37.16 LV Power Circuit Breakers and AC Power Circuit Protectors – Preferred Ratings, Related Requirements, and Application Recommendations** S. Slattery
- Shaun Slattery served as acting chair.
 - Jean-Claude Maurice volunteered to be WG Chair.
 - Nancy Gunderson volunteered to serve as WG Vice-Chair.
 - Initial concept is to group related tables for review and assign the groups of tables to WG members for review.

iv. **C37.17 American National Standard for Trip Devices for AC and General Purpose DC Low-Voltage Power Circuit Breakers** J. Mizener

- Changed concept from Trip Devices to Trip Systems.
- Focus to remain the core protective functions.
- Coordination with C37.50 and C37.14 being reviewed.

v. **C37.27 Application Guide for LV AC Nonintegrally Fused Power Circuit Breakers** D. Edwards

- Revision of the scope to add “ac” in order to match the title was provided by IEEE Editors with responses from RevCom.
- Cross-references to C37.13 were “cleaned-up”.
- Document is ready. Ballot process will be initiated with C37.13.

e. **Update Document Status** D. Edwards

Document Status was reviewed on screen for updates. The document status will be posted on the IEEE website.

- Working Group memberships were discussed and updated.
- C37.27 – Jean-Claude Maurice was approved as Working Group Chair.

4. Old Business

a. **Membership recruitment** D. Edwards

- Specific target contacts were identified for membership in C37.17. At least four (4) new attendees participated in the LVSD working groups.
- Local IEEE chapter and universities will be targeted for upcoming meetings.
- LVSD participants are to provide names and email addresses to D. Edwards by October 1 for target contacts.

5. New Business S. Slattery

a. E. Bryon request – Elimination of control wiring dielectric tests – Reviewed proposal by E. Bryon. PowerPoint Presentation will be attached. Reviewed actions being initiated as IEEE Std P-1653.3, Draft Standard for the Application of Wiring within the dc Switchgear of dc Supplied Transportation Systems under the IEEE Rail Transit Vehicle Interface Standards Committee and Traction Power Substations Subcommittee.

b. IEEE – SA MyBallot – Live March 2005

c. Meeting Arrangements – From WG Chairs and to Sub-committee chair (S. Slattery) by July 27, 2005.

d. Main committee Meeting Items –

⇒ Report of standards C37.13, C37.27 will be coming out for ballot. C37.13.1 invitation for ballot group is in process and closes June 2, 2005.

e. For Chairmanship and Vice-Chairmanships in C37.16 of Jean-Claude Maurice and Nancy Gunderson (respectively), they should be added as LVSD members. Jeff Mizener also nominated and approved.

f. **Next Meetings** S. Slattery

- Fall 2005, 2 – 6 October 2005, Montreal, Quebec, Canada (Omni Mont-Royal)
- Spring 2006, May 7 – 11, 2006, San-Luis Resort Hotel, Galveston Island, Texas

g. IEEE Website for Standard Development Process is listed here for convenience:
<http://standards.ieee.org/resources/development/>

6. Adjourn

The meeting adjourned at approximately 10:30 AM.

Minutes submitted by: D. Edwards
Secretary