

Low Voltage Switchgear Devices (LVSD) Subcommittee Meeting
San Luis Resort – Galveston, TX
October 2, 2002
Minutes

The Low Voltage Switchgear Devices Subcommittee met on October 2, 2002, with 8 members and 11 guests present. There were 6 excused absences.

Members:	A. Livshitz D. Mazumdar	N. P. McQuin G. R. Nourse	R. J. Puckett M. D. Sigmon	S. P. Slattery A. D. Storms
Guests:	P. Barnhart A. Dixon P. W. Dwyer	D. J. Edwards ** D. R. Elliott S. S. Gohil **	R. L. Kyle Frank Mayle M. Mitchell	T. W. Olsen ** J. Wisnewski
Excused:	H. L. Hess J. M. Jerabek	W. E. Laubach P. J. Notarian	N. H. Simon F. C. Teufel **	S. H. Telander
Absent:	M. T. Brown **	D. L. Swindler **		

** See actions on membership changes, documented in the meetings.

- Vice Chair S. P. Slattery called the meeting to order at 8:00AM on October 2. Chair N. H. Simon was unable to attend the Fall 2002 meeting. Mr. Slattery welcomed the members and guests and introductions were made.
- The minutes of the meeting in Newport, RI on May 1, 2002 were approved as distributed.
- Reports:
 - C37.100.1: Mr. Storms provided a report of the Common Clauses working group. The document will be balloted within about 2 months. There is an opportunity to provide input to MT34 concerning IEC 60694 (common clauses) at the meeting in Beijing later in October. The US will be submitting a "green paper" for items to be considered for inclusion. We now have a member of the UK delegation (L. Falkingham) who regularly attends IEEE Switchgear Committee meetings as a member of C37.100.1 WG and as a member of MT34. This gives us an added voice in "our choir" at MT34.
 - ADSCOM Committee Report: Mr. Storms reported that the following topics were discussed:
 - Mr. Ben Johnson, president of IEEE-SA, discussed future standards directions, dual IEEE-IEC logo documents, and similar issues.
 - NEMA intends to transfer responsibility for a number of C37 documents to IEEE. The ones that affect LVSD are C37.16 and C37.17. Discussion on the future direction for C37.50 will also be needed.
 - Mr. Ahmad presented a new process for submittal of standards (4 pages). We will endeavor to have this available on the Switchgear Committee webpage.
 - IEC Report (IEC 17B/WG5) Mr. Notarian submitted a formal report, including minutes of the July meeting in the UK.

- IEC 60947-1 comments were due in July relative to moisture and humidity tests. Our position has been that there is no demonstrated need for such tests.
 - The national comments on the CD for amendment 3 to IEC 60947-2 were reviewed. Discussion of EMC testing resulted in agreement to standardize on single phase tests for RF immunity.
 - The next meeting will be in Beijing in October, 2002.
- IEEE SCC21: Mr. Notarian submitted that the group is still very active and is working on comments from the ballot and creating additional documents. IEEE P1547 is moving along. The term “distributed generation” is appearing in many other areas. Mr. Olsen reported that the ballot on IEEE P1547 was reported as successful, albeit with a fairly large percentage of negatives. The WG chair reported that he will submit the document to IEEE-SA for formal approval. Apparently, the submittal document will include technical changes from the balloted version, but the WG chair seemed to think that this would not prevent its approval by IEEE-SA. Also, companion documents, IEEE P1589 (conformance tests) and IEEE P1608 (application guide) will be re-identified as belonging to the IEEE 1547 family.
 - C37.108: D11 was approved by RevCom and has been submitted to the IEEE-SA editors. The WG will also prepare an application guide to C37.108, which will appear as a paper in one of the transactions. Considerable discussion occurred relative to IEEE P1547, which would require that devices used to isolate at the point of common connection (PCC) be capable of passing an out-of-phase switching test. The opinion was expressed that presently available designs are probably not capable of passing such a test. Particularly, the fuses on fused circuit breakers would not pass such testing. It is also questionable whether unfused circuit breakers would pass such tests.
- Working Groups:
 - C37.14: Mr. Nourse reported that the recent ballot on D5 was successful, and it will be submitted to RevCom. The ASC C37 ballot is still open, awaiting the IEEE delegation vote.
 - C37.29: Mr. Swindler is no longer active, so this project has no ‘champion’. The subcommittee has previously asked for a volunteer to chair this WG. Mr. McQuin volunteered to provide technical input, but would not chair the group. At the Spring 2002 meeting, the subcommittee had indicated that it would ask that the existing PAR (approved in March 2000) be withdrawn. Mr. Sigmon, as Switchgear Committee standards coordinator, was instructed to issue the necessary paperwork to IEEE-SA to terminate this project.
 - C37.13: Mr. Edwards reported the WG met on September 30. D6 was reviewed during the WG meeting. Topics under discussion include concerns about the need (if any) for a BIL rating, test requirements at 50Hz versus 60Hz, appropriate requirements for ground continuity between the circuit breaker and the enclosure, properties of insulation materials, and IEC harmonization issues. It is expected that this document will require several more years to ballot and approve. Accordingly, the subcommittee instructed Mr. Edwards to work with Mr. Sigmon to submit the present document for reaffirmation immediately.

The PAR was submitted to NesCom, who rejected the submittal. NesCom wants the voltage limitations added to the title of the document, which would result in a title of 26 words. The WG position is that this is unnecessary and that it would not result in an improvement in “referenceability” (the IEEE-SA term). Further, the information requested is already contained in the abstract. Mr. Edwards prepared a draft of a response to IEEE-SA intended to cover C37.13, C37.27, and C37.26, as all three documents share the same problem. Messrs. Edwards, Olsen, and Sigmon will refine this draft and submit a final version to IEEE-

SA in the next few days. Members are requested to provide input to Mr. Edwards before the end of the meeting in Galveston.

The subcommittee agreed with the approach outlined in the draft presented by Mr. Edwards, i.e., that voltage values not be in the title, and that voltage values be in the abstract.

- C37.27: See the discussions in the C37.13 report relative to the PAR submittal and the request by IEEE-SA for change in title. D1 will be circulated for WG discussions in a few weeks.
- C37.13.1: Mr. Puckett reported that an ad hoc meeting was held in Galveston. He will reformat the document in accordance with the IEEE document template. Draft D8 will be circulated to the WG and to the LVSD subcommittee by E-Mail for comment prior to formal balloting. This should occur in the next several weeks. A document should be ready for ballot in less than one year.
- C37.26: See the discussions in the C37.13 report relative to the PAR submittal and the request by IEEE-SA for change in title. As soon as the PAR is approved, the document will be submitted for balloting. Mr. McQuin suggested that an approach on C37.26 to the voltage issue might be to simply delete any reference to voltage from the title. For the moment, we will maintain our present title. Mr. McQuin indicated that STL has been requested to review the document in Milan, and comments can be expected later this year.
- Old Business:
 - C37.18: This is on the list of documents to be administratively withdrawn. The reaffirmation ballot had one negative, which pointed out a valid technical problem with figures, which may have arisen when the document was converted to electronic form. Messrs. Slattery and Olsen will discuss with Mr. Simon for formulate a position for submittal to IEEE-SA by Nov. 1, so that we can get on the agenda for the December standards board meeting. [Mr. Olsen checked & Mr. Laubach found a copy of the 1968 version that clearly shows the figure with the suggested corrections. Mr. Simon will submit it as an editorial change by November 1]
 - Membership: The subcommittee voted to remove Messrs. Brown, Swindler, and Teufel from the list of members, and add them to the guest list to continue to receive correspondence. The chair will send a letter to each explaining that this action was taken for reasons of non-attendance, and offering to reconsider should their conditions affecting participation change.

Separately, the subcommittee voted to add Messrs. Edwards, Gohil, and Olsen to the membership of the subcommittee. All are classified as "general interest".
- New Business:
 - Document Status was circulated for updated. The document status will be updated and made a part of the minutes to be posted on the website.
 - C37 documents to be transferred: The LVSD subcommittee is ready to accept responsibility for C37.16 and C37.17.
 - Papers. A volunteer is needed to review papers concerning the LVSD subcommittee. There are three papers that need to be reviewed. The volunteer would be responsible for reviewing papers, or alternatively, to find volunteers to review each paper. For the present, the LVSD contact will be S. Slattery.

- Working group chairs, please provide an electronic copy of your report to Mr. Slattery by October 4.
- Working group chairs, please submit your WG room requests for the Spring 2003 meeting to Mr. Burse by February 1, 2003.
- Upcoming Meetings
 - St. Pete Beach, FL (Tradewinds Sirata Beach Resort) May 4-8, 2003
 - Portland, OR October, 2003
- The meeting adjourned at 12:00 Noon.

Minutes submitted by: T. W. Olsen
Acting Secretary