

**LVSD Subcommittee
Meeting Minutes
Nashville, TN, USA
October 12, 2011**

Members: P. Barnhart D. Dunne D. Edwards
K. Flowers S. Gohil H. Josten
M. LaFond D. Mazumdar J. Mizener
A. Morse T. Olsen D. Sigmon
P. Sullivan

Honorary Members: B. Puckett

Guests: M. Cannady C. Carne L. Grahor
T. Hawkins D. Hrncir A. Jivanani
P. Leufkens D. Moser A. Patel
C. Schneider R. Warren

Excused Absence: M. Flack A. Storms

Absent: A. Livshitz

1. Welcome and member attendance

The meeting was called to order by Keith Flowers at 3:50 PM. Keith welcomed the members and guests. Keith recognized Bob Puckett as the newest honorary member of the subcommittee and thanked him for his continuing contributions to the work of LVSD. 13 LVSD members were present. Quorum threshold was met.

2. Introduction of members and guests

Introductions were made by each LVSD member and guest.

3. Approval of the minutes of the Spring 2011 LVSD meeting

The minutes of the May 18, 2011 meeting held in Orlando, FL were previously emailed to LVSD personnel. Ted Olsen moved and Harry Josten seconded to approve the minutes without revision. Minutes were approved unanimously.

<http://www.ewh.ieee.org/soc/pes/switchgear/S11Minutes/S11LVSDmi.pdf>

4. Update LVSD Roster and LVSD Document Status

An updated LVSD Roster was submitted for review and updating. The updated roster will be posted on the IEEE website.

<http://www.ewh.ieee.org/soc/pes/switchgear/F11Minutes/F11LVSDa1.pdf>

An updated LVSD Document Status and Working Group/Task Force membership list was circulated to LVSD Working Group and Task Force members for updating. The updated document status will be posted on the IEEE website.

<http://www.ewh.ieee.org/soc/pes/switchgear/F11Minutes/F11LVSDa2.pdf>

**LVSD Subcommittee
Meeting Minutes
Nashville, TN, USA
October 12, 2011**

5. Working Group / Task Force Status Reports

a. C37.13a: Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures

D. Edwards – The working group met on Monday afternoon with eight members and twelve guests present. Amendment PAR with change in scope to cover voltages from 635 V ac to 1000 V ac was approved by NesCOM. Recirculation ballot closed with three negative votes and one affirmative with a comment to be resolved. Comments included proposed change to the title, lack of harmonization with IEC voltages, potential encroachment on the HVCB scope, and lack of existing products in the 635 V ac – 1000 V ac range. There was also a suggestion that the higher voltages be addressed in an annex. Comments were reviewed and discussed by the working group but the group elected to make no changes to the document at this time. A recirculation ballot was initiated.

<http://www.ewh.ieee.org/soc/pes/switchgear/F11Minutes/F11LVSDa3.pdf>

b. C37.14: Standard for Low-Voltage DC Power Circuit Breakers Used in Enclosures

K. Flowers – The working group met on Monday morning with twelve members and seven guests present. The PAR was approved September 10. Draft 4 was circulated prior to the meeting and 70 comments were received and were reviewed during the meeting. One ad hoc group was formed to investigate the differences in the multiplier from rated short-circuit current to rated peak current between IEC 61992-1 and C37.14, and whether the multiplier is applicable to all types of dc applications or is variable. A second ad hoc group was formed to investigate whether recommended follow-up testing requirements are appropriate for C37.14 and to make a recommendation to the working group. The tables in Annex B were found to be confusing in that they blended requirements for high-speed, semi-high-speed, and rectifier circuit breakers in the same tables, therefore the working group determined to split these requirements into separate preferred rating tables. The working group also determined that requirements for primary disconnecting devices are within the scope of the document. Draft 5 will be circulated within four weeks.

<http://www.ewh.ieee.org/soc/pes/switchgear/F11Minutes/F11LVSDa4.pdf>

c. C37.16: Standard for Preferred Ratings, Related Requirements, and Application Recommendations for Low-Voltage AC (1000V and Below) and DC (3200V and Below) Power Circuit Breakers

A. Morse – The working group met on Monday afternoon with ten members and twelve guests present. The working group reviewed comments to draft D2 of the document which had been circulated following the Spring meeting. It was reported that the DC Tables have been transferred to C37.14 per the discussion at the Spring meeting. Discussion was focused on whether 1200A should be included as a preferred frame size and whether remaining content should be incorporated into C37.13. The majority of the working group members favored inclusion of 1200A as a preferred frame size. Following discussion regarding the historical reasons that the tables were in a separate document, it was unanimously decided to recommend to LVSD that the remaining tables be incorporated in the next revision of C37.13. Allan Morse moved and Bob Puckett seconded that LVSD approve the recommendation of the working group. The motion was unanimously approved.

<http://www.ewh.ieee.org/soc/pes/switchgear/F11Minutes/F11LVSDa5.pdf>

**LVSD Subcommittee
Meeting Minutes
Nashville, TN, USA
October 12, 2011**

d. C37.17: Standard for Trip Systems for Low-Voltage (1000 V and below) AC and General Purpose General Purpose (1500 V and below) DC Power Circuit Breakers

J. Mizener – No working group meeting was conducted. PAR revision to modify title to cover 1000V and below ac and 1500V and below dc was approved at the June 2011 NesCOM meeting. Recirculation ballot was returned with 98% approval and RevCOM submission is in process.

6. Old Business

a. IEEE-SA Patent Policy

The IEEE-SA patents policy must be reviewed during every Working Group 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 related meetings.

No claims or issues were raised at any of the LVSD Subcommittee Working Group meetings.

7. New Business

a. Procedure for Meeting Rooms

The procedure for Working Group and Task Force meeting room requests was reviewed.

b. Main Committee Meeting Items

No items were identified for presentation at the Main Committee Meeting.

c. Working Group and Task Force Minutes

All Working Group and Task Force meeting minutes were submitted to Allan Morse.

d. Upcoming Meetings

The Spring 2012 meeting will be held in St. Pete Beach, FL, April 29 – May 3. The Fall 2012 meeting will be in San Diego, CA and Spring 2013 meeting will tentatively be in Galveston, TX.

8. Adjourn

A motion was made Dave Dunne and seconded by Mike LaFond to adjourn the meeting. The motion was approved. The meeting was adjourned at approximately 4:20 PM.

Minutes submitted by:

Allan Morse, LVSD Secretary
October 12, 2011

**LVSD Subcommittee
Meeting Minutes
Nashville, TN, USA
October 12, 2011**

At the time of this meeting, the Low Voltage Switchgear Devices Subcommittee was comprised of the following members and honorary members:

Members:

P. Barnhart
D. Dunne
D. Edwards
M. Flack
K. Flowers
S. Gohil
H. Josten
M. LaFond
A. Livshitz
D. Mazumdar
J. Mizener
A. Morse
T. Olsen
D. Sigmon
A. Storms
P. Sullivan

Affiliation:

Underwriters Laboratories
Schneider Electric
Siemens Energy, Inc.
Southern Nuclear
Siemens Industry, Inc.
AZZ / Central Electric Manufacturing Co.
Siemens Energy & Automation
General Electric
Square D Services
AZZ / Central Electric Manufacturing Co.
Siemens Industry
Eaton Corporation
Siemens Energy, Inc.
Eaton Corporation
Storms Advisory Services
DuPont

Honorary Members:

N. McQuin
G. Nourse
B. Puckett

Affiliation:

McQuin Electrical Power Consulting, Inc.
George Nourse Electrical Engineering Service
Retired