

**LVSD Subcommittee
Meeting Minutes
St. Pete Beach, FL, USA
May 2, 2012**

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

Honorary Members: None

Guests:	C. Carne	L. Grahor	T. Hawkins
	D. Hrncir	A. Jivanani	A. Jur
	C. Kennedy	D. Mola	D. Moser
	A. Patel	A. Rowell	C. Schneider

Excused Absence:	M. LaFond	A. Livshitz	D. Sigmon
	P. Sullivan		

Absent: None

1. Approval of meeting agenda

Harry Josten moved and Jeff Mizener seconded to approve the agenda as presented. Agenda was approved unanimously.

2. Welcome and member attendance

The meeting was called to order by Keith Flowers at 3:56 PM. Keith welcomed the members and guests. 11 LVSD members and 12 guests were present. Quorum threshold was met.

3. Introduction of members and guests

Introductions were made by each LVSD member and guest.

4. Moment of silence in memory of Alan Storms

The subcommittee members observed a moment of silence in memory of long time subcommittee member Alan Storms who passed away in November 2011.

5. Approval of the minutes of the Fall 2011 LVSD meeting

The minutes of the October 12, 2011 meeting held in Nashville, TN were previously emailed to LVSD personnel. Doug Edwards moved and Ted Olsen seconded to approve the minutes without revision. Minutes were approved unanimously.

<http://www.ewh.ieee.org/soc/pes/switchgear/F11Minutes/F11LVSDmi.pdf>

6. 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/S12Minutes/S12LVSDa1.pdf>

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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/S12Minutes/S12LVSDa2.pdf>

7. Working Group / Task Force Status Reports

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

D. Edwards – The task force met on Monday afternoon with 9 members and 15 guests present. The amendment for change in scope to cover voltages from 635 V ac to 1000 V ac was successfully balloted and approved by RevCom May 2. The amendment and the preferred ratings from C37.16 are incorporated into the new draft D1. The scope and purpose were updated to reflect addition of preferred ratings. There was discussion regarding the use of the terms “frame size” and “continuous current rating” and revisions were made to address the use of these two terms. Additional work to clean up the short-circuit current and short-time current preferred ratings tables copied from C37.16 will be completed in draft D1. A difference between overload and endurance reduction factor in C37.13 and C37.16 was discussed and resolved. Doug Edwards made a motion that a PAR be initiated on behalf of the task force. The motion carried.

<http://www.ewh.ieee.org/soc/pes/switchgear/S12Minutes/S12LVSDa3.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 9 members and 6 guests present. Tutorials were presented on rated peak current for traction power applications and short-circuit and short-time ratings for rectifier breakers as used in traction power applications. A guide for recommended practices for grounding in traction power applications was distributed. The topic of whether or not to include follow-up design verification testing in the document was discussed. Draft 5 was circulated for comments to be discussed at the Fall meeting.

<http://www.ewh.ieee.org/soc/pes/switchgear/S12Minutes/S12LVSDa4.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 – No working group meeting was conducted. At the Fall 2011 meeting, LVSD approved that the remaining tables be incorporated in the next revision of C37.13 therefore the PAR may now be withdrawn. Allan Morse made a motion and Dave Dunne seconded to withdraw the PAR. The motion carried. This will be coordinated with the PAR submission for the revision of C37.13 to incorporate the tables.

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. Recirculation ballot was returned with 98% approval and RevCom reviewed at May 2 teleconference. There were some questions therefore it is on the agenda for the June 7 RevCom meeting.

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8. Old Business

a. C37.50 Status

K. Flowers – ANSI C37.50 2012 edition was approved in February and publication will occur soon.

b. IEEE-SA Patent Policy

The IEEE-SA patent policy is now reviewed and acknowledged during online meeting registration therefore slides are no longer required to be reviewed during every Working Group meeting. The patents materials are available at <http://standards.ieee.org/board/pat/pat-slideset.pdf>.

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

9. New Business

a. Arc Fault Mitigation Systems

This topic was previously discussed in Switchgear Assemblies Subcommittee meeting and there was no additional discussion at LVSD.

b. Procedure for Meeting Rooms

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

c. Main Committee Meeting Items

Request of PAR for C37.13 and withdrawal of PAR for C37.16 were identified as items for presentation at the Main Committee Meeting.

d. Working Group and Task Force Minutes

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

e. Upcoming Meetings

The Fall 2012 meeting will be held in San Diego, CA, September 30 – October 4. The Spring 2013 meeting will be in Galveston, TX April 28 – May 2, 2013, and the Fall 2013 meeting will be in San Antonio, TX September 15 – 19, 2013.

10. Adjourn

A motion was made by Ted Olsen and seconded by Harry Josten to adjourn the meeting. The motion was approved. The meeting was adjourned at 4:35 PM.

Minutes submitted by:

Allan Morse, LVSD Secretary
May 2, 2012

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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
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
DuPont

Honorary Members:

H. L. Hess
J. M. Jerabek
W. E. Laubach
N. P. McQuin
P. J. Notarian
G. R. Nourse
R. J. Puckett

Affiliation:

Consultant
Sargent & Lundy LLC
Laubach Associates
McQuin Electrical Power Consulting, Inc.
Underwriters Laboratories
George Nourse Electrical Engineering Service
Consultant