

**LVSD Subcommittee
Meeting Minutes
Galveston, TX, USA
May 1, 2013**

Attendance:

Members:

P. Barnhart
D. Dunne
D. Edwards
M. Flack
K. Flowers
S. Gohil
L. Grahor
D. Hrncir
A. Jivanani
H. Josten
M. Lafond
D. Mazumdar
J. Mizener
D. Moser
T. Olsen
M. Sigmon
P. Sullivan

Affiliation:

Underwriters Laboratories
Schneider Electric
Siemens Industries
Southern Nuclear
Siemens Industries
AZZ/Central Electric Mfg.
Eaton Corporation
Eaton Corporation
General Electric
Siemens Energy and Automation
General Electric
Central Electric Manufacturing Co.
Siemens Industry
ABB
Siemens Industry Inc.
Eaton Corporation
DuPont

Honorary Members:

R. Puckett

Affiliation:

Retired

Guests:

G. Balasubramanian
M. Cannady
C. Carne
J. Hanson
T. Hawkins
J. Hidaka
C. Kennedy
A. Livshitz
R. Parthasarathi
M. Parvin
A. Rowell
C. Schneider
J. Shullaw
R. Tanner

Affiliation:

Eaton Corporation
Southern Company Services
Schneider Electric
Schneider Electric
Siemens Industries
Underwriters Laboratories
Schneider Electric
Schneider Electric
Bechtel Power Corp
CBI
Eaton Corporation
Schneider
GE Energy Industrial Solutions
Schneider Electric

Excused Absence:

A. Morse

Affiliation:

Eaton Corporation

Absent:

Affiliation:

1. Approval of meeting agenda

The meeting was called to order by Keith Flowers at 3:48 PM. Ted Olsen moved and Paul Barnhart seconded to approve the agenda as presented. Agenda was approved unanimously.

2. Welcome and member attendance

Keith welcomed the members and guests. 17 LVSD members, 1 honorary member, and 14 guests were present. Quorum threshold was met.

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3. Introduction of members and guests

Keith Flowers announced four new members of LVSD – Dan Hrcir (Eaton), Anurag Jivanani (GE), Lou Grahor (Eaton), Darryl Moser (ABB).

Introductions were made by each LVSD member and guest.

4. Approval of the minutes of the Fall 2012 LVSD meeting

The minutes of the October 3, 2012 meeting held in San Diego, CA were previously emailed to LVSD personnel. Doug Edwards moved and Mike Lafond seconded to approve the minutes without revision. Minutes were approved unanimously.

<http://www.ewh.ieee.org/soc/pes/switchgear/F12Minutes/F12LVSDmi.pdf>

5. 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/S13Minutes/S13LVSDa1.pdf>

An updated LVSD Document Status and Working Group/Task Force membership list will be posted on the IEEE website.

<http://www.ewh.ieee.org/soc/pes/switchgear/S13Minutes/S13LVSDa2.pdf>

6. 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 15 members and 15 guests present. The PAR was approved 2/1/13. Reviewed and addressed all of the comments that required discussion by the Working Group. One issue that arose is the instantaneous pickup for tripping. A task force was created to review this issue and provide recommendations on how to address this in the document. Included in this issue is the “hidden” instantaneous trip function inherent in certain designs. Bob Puckett submitted comments that will be reviewed in upcoming meetings.

<http://www.ewh.ieee.org/soc/pes/switchgear/S13Minutes/S13LVSDa3.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 16 members and 9 guests present. Comments on Draft D6 were reviewed. The Working Group worked to address those comments. Discussed the issue of definitions and where they should arrive. Discussed a preferred construction type of “dependent manual operation”. Decided good reason to drop that as a construction type for method of operation due to several mostly safety related issues. Text will be added to the introduction of the standard to explain the reason for the change. Proposal provided for short circuit rating tables and will be included in D7.

<http://www.ewh.ieee.org/soc/pes/switchgear/S13Minutes/S13LVSDa4.pdf>

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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 – Report submitted to Keith by email. No working group meeting was conducted. PAR withdrawal was approved by IEEE-SA Standards Board 2/1/13. Working to incorporate the ratings in the C37.13 and C37.14 documents. No need to update C37.16 to increase voltage ratings since C37.13 PAR has been approved. Respectfully request that the working group be dissolved.

Motion made by the Working Group to dissolve C37.16 since there is no longer any work for that group to perform. Doug Edwards seconded the motion. The motion passed unanimously.

7. Old Business

a. C37.50 Status

Keith Flowers – Published in 2012. Some editorial issues were in the document due to final editing of the document. Those issues were addressed. The updated version was published to the NEMA website.

b. Task Force on Recommended Practice for Testing and Inspecting Low-Voltage Power Circuit Breakers

Jeff Mizener – 9 attended meeting on Wednesday morning. Decided there may be a need to standardize on field testing reporting forms for circuit breakers. The task force consensus is to poll users to determine the actual need using an IEEE survey service. Members present agreed to share their testing guides for review by the task force members. Discussed primary injection testing and the need/benefit for that test for trip unit systems that could be considered more “modern”.

c. 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.

8. New Business

a. IEEE C37.100 Definitions

K. Flowers – Will be waiting for guidance from ADSCOM on how to address definitions applicable to our standards.

b. Procedure for Meeting Rooms

We had record attendance this week. This created some crowding in a few of the meeting rooms. Many additional rooms will be required for standards that will have updates starting soon. Many groups may need to use only one meeting slot in future meetings.

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c. Main Committee Meeting Items

No items identified.

d. Working Group and Task Force Minutes

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

e. Upcoming Meetings

Fall 2013	September 15 – 19, 2013	Hilton Palacio del Rio, San Antonio, TX
Spring 2014	May 4 – 8, 2014	Disney Contemporary Hotel, Orlando, FL
Fall 2014	September 21 – 25, 2014	Renaissance, Asheville, NC
Spring 2015	April 26 – 30, 2015	Tradewinds Resort, St. Pete Beach, FL
Fall 2015	September 20 – 24, 2015	San Diego, CA

9. Adjourn

A motion was made by Dean Sigmon and seconded by Carl Schneider to adjourn the meeting. The motion was approved. The meeting was adjourned at 4:16 PM.

Minutes submitted by:

Paul Sullivan, Acting LVSD Secretary
May 1, 2013

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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
L. Grahor
D. Hrncir
A. Jivanani
H. Josten
M. LaFond
D. Mazumdar
J. Mizener
A. Morse
D. Moser
T. Olsen
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Eaton Corporation
Eaton Corporation
General Electric
Siemens Energy & Automation
General Electric
AZZ / Central Electric Manufacturing Co.
Siemens Industry, Inc.
Eaton Corporation
ABB
Siemens Industry, 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