

**LVSD Subcommittee
Meeting Minutes
Orlando, FL, USA
May 07, 2013**

Attendance:

Members:

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

Affiliation:

Underwriters Laboratories
Schneider Electric
Siemens Industry, Inc.
Southern Company
Siemens Industry, Inc.
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:

None

Affiliation:

Guests:

C. Carne
A. Gibbs
T. Hawkins
J. Kaminski
A. Livshitz
M. Parvin
A. Rowell
T. Rohrer
D. Delfino
S. Colsch
T. Hendricks
R. Rohr

Affiliation:

Schneider Electric
Schneider Electric
Siemens Industry, Inc.
Siemens Industry, Inc.
CE Power Solutions
CB&I
Eaton Corporation
Exiscan
General Electric
Schneider Electric
Schneider Electric
Powell Industries

Excused Absence:

Affiliation:

Absent:

S. Gohil

Affiliation:

AZZ / Central Electric Manufacturing Co.

1. Approval of meeting agenda

Arunag Jivanani moved and Keith Flowers seconded to approve the agenda as presented. Agenda was approved unanimously.

2. Welcome and member attendance

The meeting was called to order by Allan Morse at 3:45 PM. Allan welcomed the members and guests. 17 LVSD members and 12 guests were present. Quorum threshold was met.

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3. Introduction of members and guests

Introductions were made by each LVSD member and guest.

4. Approval of the minutes of the Spring 2013 LVSD meeting

The minutes of the September 18, 2013 meeting held in San Antonio, TX were previously emailed to LVSD personnel. Dean Sigmon moved to approve the minutes and Jeff Mizener second without revision. Minutes were approved unanimously.

<http://www.ewh.ieee.org/soc/pes/switchgear/F13Minutes/F13LVSDmi.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/S14Minutes/S14LVSDa1.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/S14Minutes/S14LVSDa2.pdf>

6. Working Group / Task Force Status Reports

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

Doug Edwards reported that the working group met on Monday afternoon with 16 members and 19 guests present. Consolidated comments were reviewed and discussed. Decision was made to change from 50Hz to 50 Hz or 60 Hz. Application guide was moved to an Informative Annex. Commit time was discussed and WG vote to use "minimum clearing time" instead of "commit time" was approved by majority vote. A section on Zone Selective Interlocking was added to the text. In the definitions silver surfaced or equivalent was added.

<http://www.ewh.ieee.org/soc/pes/switchgear/S14Minutes/S14LVSDa3.pdf>

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

Keith Flowers reported that the working group met on Monday morning May 5 with 15 members and 10 guests present. The following topics were reviewed; Definitions, Circuit Breaker Bonding, High and Low Frequency Bonds (Annex C Tables) and Peak and Sustained Currents. The motion to initiate the IEEE SA ballot process with the Draft 10 was approved unanimously.

<http://www.ewh.ieee.org/soc/pes/switchgear/S14Minutes/S14LVSDa4.pdf>

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c. C37.26: IEEE Standard Guide for Methods of Power-Factor Measurement for Low-Voltage Inductive Test Circuits

Ted Olsen is the chairman. This standard is out for ballot, the ballot closes 6/01/2014

d. C37.27: Application Guide for Low-Voltage AC Power Circuit Breakers Applied with Separately-Mounted Current-Limiting Fuses

Keith Flowers is chairman of this working group.

7. Old Business

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

Meeting was cancelled. The view of the task force is currently represented only by manufacturers and in order to move forward the task force will need to include users. Jeff Mizener took an action to recruit users to the task force membership.

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.

8. New Business

a. IEEE C37.100 Definitions

Keith Flowers presented an analysis of definitions from C37.100 used in LVSD documents. A discussion followed on the direction LVSD should take to resolve the risk of C37.100 and the challenges with integrating the definitions into individual standards. A proposal was made to create a C37.16.1 as the document for all definitions used in LVSD. There was discussion on whether LVSD and SA should have a common document. There was unanimous approval for C37.16.1 and discussion to ADSCOM on this proposal.

b. Standards Process and Procedure Presentation

Keith Flowers gave a presentation on standards policy and procedure.

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c. C37.13.1: IEEE Standard for Definite Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear

This working group was formed; Dan Hrcnir will serve as chairman.

d. Main Committee Meeting Items

Item to present to the main committee;

- C37.26, C37.13, and C37.14 are in various stages of the balloting process and are expected to be balloted before the Fall meeting;
- Task force C37.16.1 formed to include common definitions for LVSD documents and possibly SA;
- The subcommittee was trained in the P&P's

e. Working Group and Task Force Minutes

All Working Group and Task Force meeting minutes were submitted to David Dunne.

f. Upcoming Meetings

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
Spring 2016	April 25 – 29, 2016	Sonesta Resort, Hilton Head, SC

9. Adjourn

A motion was made by Paul Barnhart and seconded by Dan Hrcnir to adjourn the meeting. The motion was approved. The meeting was adjourned at 4:45 PM.

Minutes submitted by:

David Dunne, LVSD Secretary
May 15, 2014

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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. Hrcir
A. Jivanani
H. Josten
M. LaFond
D. Mazumdar
J. Mizener
A. Morse
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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
N. P. McQuin
P. J. Notarian
G. R. Nourse
R. J. Puckett

Affiliation:

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