

**LVSD Subcommittee
Meeting Minutes
St. Pete Beach, FL, USA
April 29, 2015**

Attendance:

Members:

P. Barnhart
C. Carne
D. Dunne
D. Edwards
M. Flack
K. Flowers
S. Gohil
L. Grahor
T. Hawkins
D. Hrcir
H. Josten
M. LaFond
D. Mazumdar
J. Mizener
A. Morse
D. Moser
T. Olsen
A. Rowell
C. Schneider
D. Sigmon
P. Sullivan

Affiliation:

Underwriters Laboratories
Schneider Electric
Schneider Electric
Siemens Industry, Inc.
Southern Company
Siemens Industry, Inc.
AZZ / Central Electric Manufacturing Co.
Eaton Corporation
Siemens Industry, Inc.
Eaton Corporation
Siemens Energy & Automation
General Electric
AZZ / Central Electric Manufacturing Co.
Siemens Industry, Inc.
Morse Ventures, Inc.
ABB
Siemens Industry, Inc.
Eaton Corporation
Schneider Electric
Eaton Corporation
DuPont

Honorary Members:

N/A

Affiliation:

Guests:

D. Delfino
J. Hidaka
C. Kennedy
R. Rohr
J. Shullaw
T. Burse
J. Jarque
E. Spiewak
A. Good
R. Hartzel
T. Sauve
T. Blair
R. Warren

Affiliation:

General Electric
Underwriters Laboratories
Schneider Electric
Powell Electrical Systems
GE Energy Management – Industrial Solutions
Powell Industries
AZZ / Central Electric Manufacturing Co.
IEEE
Netshape Technologies
Eaton Corporation
Rockwell Automation
Tampa Electric
DNVGL KEMA Laboratories

Excused Absence:

A. Jivanani

Affiliation:

General Electric – did attend WG's

Absent:

Affiliation:

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1. Approval of meeting agenda

Paul Barnhart 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. 21 LVSD members and 13 guests were present. Quorum threshold was met.

3. Introduction of members and guests

Introductions were made by each LVSD member and guest.

4. Approval of the minutes of the Fall 2014 LVSD meeting

The minutes of the September 24, 2014 meeting held in Asheville, NC were previously emailed to LVSD personnel. Ted Olsen moved to approve the minutes and Paul Barnhart second without revision. Minutes were approved unanimously.

<http://www.ewh.ieee.org/soc/pes/switchgear/F14Minutes/F14LVSDmi.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/S15Minutes/S15LVSDa1.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/S15Minutes/S15LVSDa2.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 17 members and 8 guests present. The question of whether a PAR change was required was reviewed and decision was made that no PAR change is required.

Clearing time was discussed and WG agreed with proposed resolution. Short-Time rating, modified for two periods of short-time current separated by 15 seconds. Short-time duration is added to the nameplate.

Manual releases and indicators; Color and wording were discussed with a recommendation for standardized colors and use of wording/symbols. This topic will be reviewed at AdsCom for approval to harmonize colors, symbols and wording for all applicable standards. Two other topics were reviewed; Remote protection relays and T-C curves. Commenter withdrew both and no changes were made.

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<http://www.ewh.ieee.org/soc/pes/switchgear/S15Minutes/S15LVSDa3.pdf>

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

Keith Flowers reported 100% approval in ballot. Recommended for publication in June. Keith Flowers moved to disband the WG and Paul Barnhart second the motion. The motion was approved and the WG was dismissed.

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

Keith Flowers reported that the working group met on Monday morning with 8 members and 17 guests present. The PAR was approved February 16, 2015. Comments from Draft 2 were reviewed and all comments resolved. The current draft version will be circulated to the WG within two weeks.

<http://www.ewh.ieee.org/soc/pes/switchgear/S15Minutes/S15LVSDa4.pdf>

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

Dan Hrcir reported that the working group met on Monday morning with 19 members and 7 guests present. The PAR was approved on December 9, 2014. C37.13.1A were incorporated into C37.13.1, comments were reviewed and plan to send out for ballot.

<http://www.ewh.ieee.org/soc/pes/switchgear/S15Minutes/S15LVSDa5.pdf>

e. C37.20.10: Definitions for AC (52kV and below) and DC (3.2kV and Below) Switchgear Assemblies

Keith Flowers is chairman of this working group. Keith provided an update on the WG progress, official meeting minutes covered by S/A subcommittee.

7. Old Business

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

Did not meet

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

<http://www.ewh.ieee.org/soc/pes/switchgear/S15Minutes/S15LVSDmi.pdf>

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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. Manual Release and Indicators – Colors and Words/Symbols

Doug Edwards presented his review of all C37 standards for color and words/symbols for a common approach. Doug's presentation will be presented to all subcommittees and AdsCom.

b. New Subcommittee and Main Committee members

No new members recommended for LVSD

c. Senior Membership

The process for achieving Senior Member IEEE was reviewed and those that are not currently a Senior member were encouraged to apply.

d. Procedure for Meeting Rooms – WG Chairs, advise the LVSD Subcommittee Chair concerning WG meeting room requirements (preferred schedule, number of participants, and A/V needs). Provide details no later than Friday, May 1, 2015.

e. ADSCOM/Main Committee Meeting Items

C37.13 proposal for manual release and indicator color and wording/symbol will be presented by Doug Edwards.

f. Working Group and Task Force Minutes

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

g. Upcoming Meetings

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|-------------|-------------------------|--|
| Fall 2015 | September 20 – 24, 2015 | Catamaran Resort, San Diego, CA |
| Spring 2016 | April 25 – 29, 2016 | Sonesta Resort, Hilton Head, SC |
| Fall 2016 | October 9 – 14, 2016 | Sheraton Station Square, Pittsburg, PA |

9. Adjourn

The meeting was adjourned at 4:20 PM.

Minutes submitted by:

David Dunne, LVSD Secretary