

**C37.59 Working Group**  
**MINUTES OF THE Fall 2015 MEETING**

Catamaran Resort, San Diego, CA USA  
2:00 – 6:00PM, September 22, 2015

**September 22:** The meeting was called to order by Chair, M. Dean Sigmon at 2:05 PM.

**Attendance**

Quorum: 32 total members thus Quorum required 16 members.  
Members: 23 members were present, thus quorum was met for meeting.  
Guest: 15 Guest participated  
Total: 38 total present

Attendance is listed at bottom of this document. Membership and attendance status are updated in AMS system.

=====

1. Introductions and attendance  
Introduction of attendees and attendance roster distributed.  
  
There have been some issues sending drafts to WG Members. Review of the use of AMS123 system to resolve issue is on-going. Tests emails to WG Members being provided to tests.
2. Approval of Meeting Agenda  
  
Agenda was reviewed.  
Motion by Larry Yonce  
2<sup>nd</sup> by Darryl Moser  
Unanimously approved
3. Approval of Spring 2015, St. Pete Beach, FL Working Group minutes  
  
Minutes was shown and discussed.  
No changes were identified.  
<http://www.ewh.ieee.org/soc/pes/switchgear/minutes/2015-1/S15ADSCOMa6REV0.pdf>
4. Reports from Active Task Groups
  - a. Annex: Advanced Circuit Breaker Checklist  
  
Showed and demonstrated form via IEEE URL on-line site.
  - b. Inspection Windows and Ports  
  
Tim Rohrer (assisted by Ted Burse) provided text separating the normative and informative text. Based on the feedback from the broader committee in St. Pete, Dean Sigmon further edited the proposed text and inserted into Draft 5.1.
5. Review of C37.59-D5.1 and C37.59-D4 creating draft D5.1  
  
Issues discussed included:
  - a. Term changed from “Low-voltage definite purpose switching devices” to “Low-voltage definite purpose switching devices and medium-voltage fused contactors”  
  
Medium-voltage discussed to be greater than 1000 V to 38 kV for Air Insulated Switchgear or to 52 kV for Gas Insulated Switchgear.
  - b. Inclusion of metal enclosed switchgear conversion requirements  
  
Target is to update C37.59-D5.1 to reflect C37.20.3 guideline, e.g. stationary CB requires visible disconnect. Several options are possible.  
  
Review of LV devices also to be reviewed.

**C37.59 Working Group**  
**MINUTES OF THE Fall 2015 MEETING**

Catamaran Resort, San Diego, CA USA  
2:00 – 6:00PM, September 22, 2015

Metal-Enclosed Conversions Task Force Team:

A. Patel (Chair)  
M. Valdes  
J. Thayalan  
L. Yonce  
M. Whitney

c. Viewing windows and ports

Quick review only was conducted highlighting the Section 6.7 and Annex Section A.4.4.

Viewing windows and ports will be further reviewed by a Task Force team.

Viewing windows and ports team will review the text making sure that the standards that are referenced in the current text is necessary, i.e., UL 508. Task Force will review both subclause 6.7 and Annex section A.4.4.

Viewing Windows and Ports Task Force Team:

P. Barnhardt (Chair)  
T. Rohrer  
M. Valdes

Task:

- Overall review of text.
- Standards – References vs Scope
- LV Swgr
- Materials – How to provide requirements based on original Switchgear

d. Remote racking device test requirements

Remote racking (C37.59-D5.1 Section 6.1.7.3) is to be reviewed by Task Force team.

Remote Racking Task Force Team:

Add text concerning modifications made to the Switchgear

Remote Racking Task Force Team:

Albert Livshitz (Chair)  
L. Yonce  
D. Edwards  
J. Thayalan  
A. Patel  
D. Delfino  
P. Sullivan  
P. Barnhart

Task:

- Review referenced standards (UL 2876, C37.20.1, and C37.20.2)
- Update testing requirements
  - Testing of CB's
  - Testing of Remote Racking
- Update for modifications of Switchgear
- Update to include remote racking with integral racking (not covered by UL 2876).
- Also review Annex.

**C37.59 Working Group**  
**MINUTES OF THE Fall 2015 MEETING**

Catamaran Resort, San Diego, CA USA  
2:00 – 6:00PM, September 22, 2015

e. Compartment adaptors (Section 6.6)

Section to be reviewed by Task Force Team.

Compartment Adaptor Task Force Team:

A. Jivanani (Chair)

R. Rohr

D. Edwards

D. Delfino

Task:

- Consider servicing Primary Disconnects on Adaptor.
  - Ensure Adaptor cannot be removed with CB in Connected position vs using existing racking mech.
  - Text for Adaptors without Primary Disconnects
  - Adaptor interlocks
  - Permanent fixing
- Suggest use of Hazard Analysis – FMA methodology

f. Key Interlocks (Section 6.6 g)

Text was updated to state that Key Interlocks shall be “functionally compatible for the application.”

6. Action Items Summary

- a. Document editorial updates (e.g., spelling, cross-linked references, to be updated).
- b. Task Force Teams to provide review no later than November 30, 2015.
  - i) Metal-Enclosed Conversions Task Force Team review
  - ii) View Ports & Windows Task Force Team review
  - iii) Remote Racking Task Force Team review
  - iv) Compartment Adaptor Task Force Team review

7. Standard Status

- a. PAR expires December 31, 2018.

8. Adjourn

Meeting was adjourned at 4:43 PM.

Reported by:

Doug Edwards

Vice-Chair C37.59

E: [doug.edwards@ieee.org](mailto:doug.edwards@ieee.org)

## Attendance

<b>Role</b>	<b>First Name</b>	<b>Last Name</b>	<b>Company</b>
Chair	Dean	Sigmon	Eaton Corporation
Vice-Chair	Doug	Edwards	Siemens Industry, Inc.
Member	Paul	Barnhart	Underwriters Laboratories
Member	Stephen	Cary	GE Energy Management
Member	Robert	Cohn	Powercon Corp.
Member	Daniel	Delfino	General Electric
Member	Michael	Flack	Southern Company Generation
Member	Keith	Flowers	Siemens Industry, Inc.
Member	Lou	Grahor	Eaton Corporation
Member	Anurag	Jivanani	General Electric
Member	Michael	Lafond	General Electric
Member	Albert	Livshitz	CE Power Solutions
Member	Jeffery	Mizener	Siemens Industry
Member	Charles	Morse	Morse Ventures, Inc.
Member	Daryl	Moser	ABB
Member	Ted	Olsen	Siemens Industry, Inc.
Member	Amit	Patel	GE
Member	Richard	Rohr	Powell Electrical Systems
Member	Tim	Rohrer	Exiscan
Member	Paul	Sullivan	DuPont
Member	Jey	Thayalan	Schneider Electric
Member	Marcelo	Valdes	GE
Member	Larry	Yonce	Eaton Corporation
Guest	Susan	Colsch	Schneider Electric
Guest	Patrick	Di Lillo	Consolidated Edison Co. of NY, Inc.
Guest	David	Dunne	Schneider Electric
Guest	Anne	Good	Netshape Technologies, Inc.
Guest	Ronald	Hartzel	Eaton Corporation
Guest	Tom	Hawkins	Siemens Industry, Inc.
Guest	Amir	Khosravi	BC Hydro
Guest	Carl	LaPlace	GE Industrial Solutions
Guest	Antonio	Mannarino	PSE&G
Guest	Ryan	McClarnon	Utility Relay Company
Guest	Miklos	Orosz	Schneider Electric
Guest	Alan	Peterson	Utility Service Corporation
Guest	Robert	Warren	DNV GL - KEMA Laboratories
Guest	Helmut	Weiher	Utility Relay Company
Guest	Michael	Whitney	S&C Electric Company