

C37.59 Working Group
MINUTES OF THE Spring 2014 MEETING

Contemporary Hotel, Orlando, FL USA
May 6, 2014

The meeting was called to order by Chair, M. Dean Sigmon, at 4:15 PM on May 6, 2014.

Attendance

Quorum: Not Applicable for this meeting.
WG Membership established at the meeting.

Based on membership established at meeting:
Members: Total 27 present, 0 absent, 0 excused.
Guest: 6
Total: 33

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

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- 1) Welcome
- 2) Approval of Meeting Agenda
Agenda was shown, discussed, and approved. Motion by M. Valdes, 2nd by A. Morse, approved unanimously.
- 3) Introduction of attendees - Completed
- 4) Working Group – Recruiting Members
Volunteers for WG membership were added to the roster that was passed around.
Membership is recorded in 123Signup.
- 5) Status of PAR
PAR is to be created and submitted - target is by July 11, 2014 deadline.
- 6) C37.59 Background
PowerPoint slide presentation providing overview of C37.59 development (attached.)
- 7) Discussion Points
Draft document C37.59-D1 shown. Document is C37.59-2007 version updated to be in IEEE 2014 Template with some minor editorial revisions.
 - a) Medium Voltage Conversions
 - i) Conversions for 2-High Switchgear
Temperature rise discussions.

There are issues with where the "line in the sand" is. Discussion is to review and if needed add text detailing what is to be included in continuous current tests.

TF Team: Future – Not yet created
 - ii) Definite Purpose Switching Devices

HVCB S/C decision currently is not to create a standard for such HV Fused Contactor roll-out truck devices (LVSD S/C had created a standard C37.13.1). Does '59' need to expand on this issue?

Review and add details associated with such devices for details such as interlocking and thermal verifications. Also, review and add details for what is not required (C&L).

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Review and add details associated with BIL ratings (with potential reductions for contactors) should be added.

TF Team: L. Yonce

iii) Capacitor switches

TF Team: Future – Not yet created

iv) HV cassette adaptors

TF Team: J. Webb

b) Low-Voltage Conversions

i) Adapter inside cassette designs

There are various types and constructions. Review and add details associated with ensuring various configurations are covered and appropriately described.

TF Team: Future – Not yet created

ii) Use of Molded Case CB's. Potentially state this is not appropriate.

TF Team: J. Webb

iii) Direct-acting overcurrent trip conversions

Review and add details associated with continuous current tests based on the current path being modified.

Review and add details associated with the testing being required in the Switchgear Assembly.

Review and add details associated with "baseline" comparisons.

TF Team: A. Jivanani
M. Lafond
K. Flowers
J. Mizener

iv) DC Systems

No actions at this time.

v) MCC bucket conversions

Discussed but considered out of PES scope - text to be added to the document detailing this.

TF Team: J. Webb

c) Switchgear Sections

(1) Arc Resistant Switchgear - Add details associated with conversion associated with arc-flash mitigation systems such as 1) light-sensing systems and 2) fast-acting shorting systems (crow bars).

(2) Add details associated with on-line partial discharge testing and monitoring systems.

(3) Add details associated with the addition of thermal sensors.

(4) Add details associated with the addition of remote racking either 1) added to the switchgear or 2) integral to the circuit breaker.

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(5) Add details associated with the addition of view window including 1) infrared view windows, 2) visual inspection windows, and 3) ultra-sound ports.

ii) Racking endurance test

Review and add details associated with racking endurance tests.

TF Team (for all of Switchgear Section updates):

P. Barnhart
T. Burse
P. Grein
A. Livshitz
T. Rohrer
J. Thayalan
M. Valdes

d) Annex A Updates

Updates of Annex A are discussed below in section 8) a).

8) Task Forces

a) Conversion Documentation forms – A.6

Review and add details associated with the forms.

TF Team: P. Fox
P. Grein
J. Hanson
A. Jivanani
T. Esco

b) Update of Dated References in Draft Document

Review and add details associated with the forms.

TF Team: T. Olsen
L. Yonce

9) Adjournment

Meeting adjourned at 5:53 PM by consensus.

Reported by:

Doug Edwards
Vice-Chair C37.59
E: doug.edwards@ieee.org

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Attendance

First Name	Last Name	Company Name	Role
Dean	Sigmon	Eaton Corporation	Chair
Jerry	Baskin	Federal Pacific	Guest
Tom	Hawkins	Siemens Industry	Guest
Miklos	Orosz	Schneider Electric	Guest
Molson	Parvin	CB&I	Guest
Alan	Peterson	Utility Service Corporation	Guest
Erin	Spiewak	IEEE	Guest
Paul	Barnhart	Underwriters Laboratories	Member
Ted	Burse	Powell Industries, Inc	Member
Robert	Cohn	Powercon Corp.	Member
Daniel	Delfino	General Electric	Member
Tanner	Esco	Eaton Corporation	Member
Michael	Flack	Southern Company Generation	Member
Paul	Fox	Schneider Electric	Member
Paul	Grein	Circuit Breaker Sales, Co, Inc, - GroupCBS	Member
Jeffrey	Hanson	Schneider Electric	Member
Anurag	Jivanani	General Electric	Member
Michael	Lafond	General Electric	Member
David	Lemmerman	PECO/Exelon	Member
Albert	Livshitz	CE Power Solutions	Member
Jeffery	Mizener	Siemens Industry	Member
Charles	Morse	Eaton Corporation	Member
Ted	Olsen	Siemens Industry, Inc.	Member
Anthony	Ricciuti	Eaton Corporation	Member
Richard	Rohr	Powell Electrical Systems	Member
Tim	Rohrer	Exiscan	Member
Daniel	Sims	Eaton Corp.	Member
Paul	Sullivan	DuPont	Member
Jey	Thayalan	Schneider Electric	Member
Marcelo	Valdes	GE	Member
John	Webb	ABB	Member
Larry	Yonce	Eaton Corporation	Member
Doug	Edwards	Siemens Industry, Inc.	Vice-Chair