

1) Introduction of Members and Guests

Rod Sauls

Member introductions (Mention updated roster)

2) Approval of Minutes of Previous Meeting

Rod Sauls/Mauricio Aristizabal

Approval of minutes of Lake Buena Vista – Motion by Falkingham and seconded by Nelson.

3) Membership

	Utility	Manufacturer	Independent & Consultants	Corresponding Members	Total Membership	Guests
Current membership	20	22	7	4	53/49 for Quorum calc.	
Attendance	15	14	2	-	31	15

4) Chairman's Report

Rod Sauls

Chairman (Rod Sauls): rodsauls@ieee.org 205-257-4143
Secretary (Mauricio Aristizabal): m.aristizabal@ieee.org 724-873-2606

- Minutes to all WG meetings will be posted to the web in pdf format, unless otherwise specified

5) Reports of Working Groups

a) Technical Paper Reviews

Leslie Falkingham

Leslie Falkingham Has been officially appointed as one if the editors

b) WG Activities

HVCB Switchgear Subcommittee Agenda, 10-12-2011, Nashville, TN

Document	Title	SubCommittee	WG Chair	PAR	IEEE Status	Activity
C37.04-1999	IEEE Standard Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	HVCB	Jeff Nelson	PAR Submitted 2011	Corrigendum 1 Published in 2009	The WG has requested comments on proposed normative annex taken from C57.13 on bushings CT's
C37.04a-2003 Amendment to C37.04-1999	IEEE Standard Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Amendment 1: Capacitance Current Switching	HVCB	Roy Alexander	PAR included in C37.04 update	Reaffirmed 2006	
C37.04b Amendment to C37.04-1999	IEEE Standard Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Amendment 2 Required TRV Values:	HVCB	Kirk Smith		Approved New Document DEC 2009	
C37.06.-2009 ANSI	American National Standard for Switchgear--AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Preferred Ratings and Related Required Capabilities	HVCB	Georges Montillet		Published 2009	
C37.06.1-2000 ANSI	American National Standard Guide for High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Designated "Definite Purpose for Fast Transient Recovery Voltage Rise Times"	HVCB	Keith Wallace (Bill Bergman)	PAR expires 12-31-2013		10% and 30% current levels agreed to align with C37.06 Draft to be circulated for WG review by Dec 2011
C37.09-1999	IEEE Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	HVCB	Kirk Smith		R2007	
C37.09a-2005 Amendment to C37.09-1999	Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Amendment 1: Capacitance Current Switching	HVCB	Roy Alexander		Published Will be incorporated into new C37.09	
PC37.09b Amendment to C37.09-1999	Draft Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Amendment 2 Required TRV Values:	HVCB	Kirk Smith		Published 05/17/2011	
C37.010-2005	IEEE Application Guide for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	HVCB	Helmut Heiermeier	PAR expires 12-31-2014	R2005	First draft to be released by spring 2012
C37.011-2005	IEEE Application Guide for Transient Recovery Voltage for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	HVCB	Denis Dufournet	PAR expires 12-31-2013		Approved draft submitted to RevCom, waiting for review on Oct. 18 th meeting.

HVCB Switchgear Subcommittee Agenda, 10-12-2011, Nashville, TN

Document	Title	SubCommittee	WG Chair	PAR	IEEE Status	Activity
C37.012-2005	IEEE Application Guide for Capacitance Current Switching for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	HVCB	Anne Bosma (Roy Alexander)	Approved until Dec 2015	Reaffirmed 2011	Did not meet on Fall 2011
C37.013-1997	IEEE Standard for AC High-Voltage Generator Circuit Breaker Rated on a Symmetrical Current Basis	HVCB	Bill Long	Approved until Dec 2013	R2008	IEEE P62271-37-013 WG will release committee draft 1 for ballot
PC37.013a	IEEE Standard for AC High-Voltage Generator Circuit Breaker Rated on a Symmetrical Current Basis--Supplement for generators 10 to 100 MVA	HVCB	Bill Long		Approved	
C37.015-1993	IEEE Application Guide for Shunt Reactor Switching	HVCB	Anne Bosma	Approved until 2012	Published Feb. 2010	
C37.016-2006	Standard for AC High-Voltage Circuit Switchers rated 15.5 kV through 245 kV	HVCB	Peter Meyer (Randy Dotson)	Approved until Dec 2013		
C37.017	Standard for Bushings for High Voltage (over 1000 Volts ac) Circuit Breakers and Gas Insulated Switchgear	HVCB GIS	Devki Sharma		Published March 2011	
C37.081-1981	IEEE Guide for Synthetic Fault Testing of AC High-Voltage Circuit Breakers Rated on a Symmetrical Current basis	HVCB	TBD (Mel Smith)		R2007	
C37.081a-1997	Supplement to C37.081-1981	HVCB	TBD (Mel Smith)		R2007	
C37.083-1999	IEEE Guide to Synthetic Capacitor Current Switching Test of AC High-Voltage Circuit Breakers	HVCB	TBD (Mel Smith)		R2007	
C37.10-1995	IEEE Guide for Diagnostics and Failure Investigation of Power Circuit Breakers	HVCB	Bill Bergman	PAR expires 12-31-2013	R2002 & 2008 Draft 5.0 Balloted and approved	
1325-2002	IEEE Recommended Practice for Reporting Field Failure Data for Power Circuit Breakers	HVCB	Bill Bergman		1325 will be withdrawn once C37.10 is published.	
C37.10.1-2000	IEEE Guide for the Selection of Monitoring for Circuit Breakers	HVCB	Bill Bergman		R2006	Extension requested and reaffirmation ballot .will be initiated to collect comments for next revision.
C37.11-2003	IEEE Standard Requirements for Electrical Control for High-Voltage Circuit Breakers Rated on A Symmetrical Current Basis	HVCB	John Webb	PAR Expires 12-31-2012		WG finishing draft 5 of the document that will be distributed. Promptly.

HVCB Switchgear Subcommittee Agenda, 10-12-2011, Nashville, TN

Document	Title	SubCommittee	WG Chair	PAR	IEEE Status	Activity
C37.12 ANSI C37.12-1991	Guide for the Specification of AC High Voltage Circuit Breakers American National Standard for AC HV Circuit Breakers Rated on a Symmetrical Current Basis—Specifications Guide	HVCB	Ken Edwards		Approved Dec 2008 R2008	Needs to be updated after the consolidation of 04 and 06 is completed
C37.12.1	Draft IEEE Guide for High Voltage (>1000V) Circuit Breaker Instruction Manual Content	HVCB	Bill Bergman		Published March 2008	
C37.20.6	4.76 kV to 38 kV Rated Grounding and Testing Devices Used in Enclosures	ADSCOM joint HVCB/SA	T. W. Olsen		APPROVED 2007	
C37.59	Requirements for Conversion of Power Switchgear Equipment	ADSCOM joint HVCB, SA, and LVSD	Pete Dwyer		Approved 2007	
C37.122	Standard for High Voltage Gas-Insulated Substations Rated above 52 kV	Joint SUB/SWG HVCB	Jon Brunke		Published 2010	
C37.122.3 (was P1712)	IEEE Draft Guide for Sulphur hexafluoride (SF6) Gas Handling for High Voltage (over 1000Vac) Equipment	Joint SUB/SWG HVCB	Luke van der Zel (Jeff Nelson)			
C57.142	Guide to Describe the Occurrence and Mitigation of Switching Transients Induced by Transformer and Switching Device Interaction	SUB/HVCB	Steve Lambert		Published April 2011	
62271-37-082	Standard for High-voltage switchgear and controlgear - Part 37-082: Measurement of sound pressure levels on alternating current circuit-breakers	HVCB	Leslie Falkingham	PAR with new name approved 06-16-2011	PAR expiration 12-31-2011	A new PAR will be requested and recirculation ballot will be initiated by December 2011

6) Reports of Task Forces

a) Line Faults and Critical Currents

To clarify questions about 3-phase line faults the WG decided to make a reference to CIGRE brochure 408. The critical currents task force agreed to follow IEC approach of bracketing testing around any critical current found.

Roy Alexander

b) Transformer Natural Frequencies (TF for C3.06.1)

The document will be a “Recommended Practice” rather than a “Guide”

Bill Bergman

7) Reports of AdsCom WG/TF

a) Capacitance Switching TF

Document almost completed and will be released for ballot by March 2012

Neil McCord

8) Reports of CIGRE

- a) Status of the new Working Groups Mietek Glinkowski

- b) CIGRE circuit breaker performance survey CIGRE A3.06 Bill Bergman
Study has been completed and results will be published as 6 individual reports

- c) CIGRE HV Vacuum CB WG (A3.27) Kirk Smith/Mietek Glinkowski

- d) A3.26 Influence of shunt capacitor banks on circuit breaker fault interruption duties Anne Bosma

9) Old Business

- a) **Status of joint sponsorship of substation subcommittee GIS documents C37.122.1 and C37.123** **Rod Sauls**

C37.122.1 remains a Substation committee document and C37.123 specification guide is looking for joint sponsorship with Switchgear Committee.

- b) **TRV Tutorial for the upcoming PES general meeting and T&D show.** **Jeff Nelson**
TRV tutorial not prepared yet. Possible contributors will be contacted individually.

10) New Business

- a) PC37.122.2 - Guide for the Application of Gas-Insulated Substations 1kV to 52kV Rod Sauls
Document submitted already.

- b) Possible Task force on HVDC breakers Rod Sauls
Joanne Hu, Leslie Falkingham and Anthony Ricciuti volunteered to look for bibliography and read the CIGRE guide. They will present their findings on the spring 2012 meeting.

11) Future Meetings

- a) Spring 2012: St. Pete Beach, FL April 28 – May 4
- b) Fall 2012: San Diego, CA October 1-4

12) Tutorial on DC Power Circuit Breakers

Presentation is attached to these minutes as annex.

John Shullaw

13) Adjourn