



### Committee Officers

Chair ----- Jeff Nelson  
Vice Chair/TCPC----- Ted Burse  
Vice Chair, Standards Coordinator ----- Dean Sigmon  
Secretary/Treasurer ----- Bill Long

### Subcommittee Chairs

ADSCOM ----- Ted Burse  
ER&P ----- Mietek Glinkowski  
HVCB ----- Bill Bergman  
HVF ----- John Leach  
HVS ----- Alex Dixon  
LVSD ----- Doug Edwards  
RODE ----- Steve Meiners  
SA ----- Ted Olsen

### Subcommittee Legend

ADSCOM ----- Administrative  
ER&P ----- Education, Recognition & Publications  
HVCB ----- High Voltage Circuit Breakers  
HVF ----- High Voltage Fuses  
HVS ----- High Voltage Switch  
LVSD ----- Low Voltage Switchgear Devices  
RODE --- Reclosers and Other Distribution Equipment  
SA ----- Switchgear Assemblies



# IEEE Switchgear Committee Meeting Schedule

October 1 - 5, 2006  
Milwaukee, Wisconsin

# Welcome to Milwaukee!

Welcome to Milwaukee and the Autumn 2006 Meeting of the IEEE PES Switchgear Committee!

This booklet has been prepared to give you basic information about the topics being worked on, to help you decide which meetings you will want to participate in. We welcome your comments and suggestions for our improvement in the future!

## Sunday, October 1

6:00-7:30 P.M.

### Welcome Reception

Please join us for hors d'oeuvres and refreshments. All attendees and their guests are cordially invited to this informal welcome reception. This is a perfect opportunity to meet and greet our colleagues in Switchgear Standards development!

The reception will be held in the ATRIUM on the second floor. We would like especially to welcome new friends and colleagues, whom we haven't known before, as well as to catch-up with old friends whom we haven't seen for while.

## Thurs Afternoon Session 1:30 – 5:00

### CIGRE WG A3-19

This meeting is moved to Tuesday morning at 8:00 AM.

Note: Please contact the Chair in advance if you wish to attend this meeting.

Morning Sessions 7:00 – 9:00

Main Switchgear Committee Meeting

The agenda will include approval of the Minutes from the Spring 2006 meeting, the Chairman’s Report, Technical Council Report, Standards Board and PES Coordinating Committee Report, Meetings and Publications Report, All Subcommittee Reports, the ASC C37 Report, STLNA and CIGRE Reports.

9:00 – 9:30

Coffee Break

9:30 – 12:00

TECHNICAL PRESENTATION

Type Test of Dead-tank Gas Circuit Breaker, rated 800 kV and 50 kA

Presented by Dr. Seung-Jae Park, KERI, High Power Laboratory, Changwon, Korea

[For Professions Development Hours credit, please bring a paper copy of the PDH form, available from the Switchgear Committee website.]

Schedule at a Glance

Mon - Weds Morning Sessions

7:00 A.M. Breakfast Buffet (Mon. ORIENTATION)  
7:30 A.M. Companion’s Breakfast  
8:00 A.M. Meetings  
9: 45 A.M. Coffee Break  
10:15 A.M. Meetings

Noon

Lunch Break

Mon – Weds Afternoon Sessions

1:30 P.M. Meetings (Except Tuesday - 2:00 P.M)  
3:15 P.M. Break (Except Tuesday – 3:45 P.M)  
3:45 P.M. Meetings

Wednesday Evening Social

5:45 P.M “A visit to the Sprecher Brewery”, dinner by Prandl’s and musuc by Trio du Monde

Thursday Sessions

6:00 A.M. Thursday Breakfast Buffet  
7:00 A.M. Meeting  
7:30 A.M. Companion’s Breakfast  
9:30 A.M. Technical Presentation

Registration Desk Hours

Sunday 4:00 - 5:30 P.M.  
Monday Tuesday and Wednesday at 7:00 A.M. and during Coffee Breaks. Registration closes at 10:15 A.M. Wednesday.

Morning Sessions 8:00 – 12:00

C37.100.1 - C37.100.1 – Standard of Common Requirements for Power Switchgear – WG will review the results of the 3<sup>rd</sup> ballot (recirculation ballot) and develop responses to the comments. Discussion will be aimed at preparation for a second and final recirculation ballot to be held in November.

C37.17 – American National Standard for Trip Devices for AC and General Purpose DC Low Voltage Power Circuit Breakers – Working Group Meeting to discuss general revision and update of document.

C37.30.1 Harmonization of Switch Standards – C37.30, .32, .34, .36, .36b, & .37 – The WG will meet to continue with the process of consolidating HV Switch Standards with minimal technical changes. This is the first phase of a two-part process to harmonize with the IEC.

Controls for Distribution Equipment Task Force – The purpose of this task force is to identify special requirements for the controls of equipment on distribution lines and define the required testing.

**8:00 – 9:45**

C37.04b & C37.09b – HVCB Transient Recovery Voltage (TRV) Revision I . WG to develop TRVs within the IEEE that are harmonized with the IEC. WG will review comments from ballot of PC37.04b.

**10:15 – 12:00**

C37.20.6 – 4.76 kV to 38 kV Rated Grounding and Testing Devices Used in Enclosures – First WG meeting to discuss the revision of the 1997 Standard.

Weds Afternoon Sessions 1:30 – 5:00

High Voltage Circuit Breaker Subcommittee - Meeting will include the Chairman's Report, all WG and TF reports, new business and old business.

High Voltage Switches Subcommittee - Meeting will include the Chairman's Report, all WG and TF reports, new business and old business.

**1:30 – 3:15**

Low Voltage Switchgear Devices Subcommittee - Meeting will include the Chairman's Report, all WG and TF reports, new business and old business.

Revision of HV Fuse Standards WG III – Revision of C37.41, Standard design tests for HV fuses. WG project to clarify test requirements for expulsion fuses, and make changes as a result of IEC harmonization efforts

**3:45 – 5:30**

Switchgear Assemblies Subcommittee - Meeting will include the Chairman's Report, all WG and TF reports, new business and old business.

High Voltage Fuses Subcommittee - Meeting will include the Chairman's Report, all WG and TF reports, new business and old business.

C37.301 (Formerly IEEE1291) – Partial Discharge Measurement In Power Switchgear – WG meeting for a complete revision of the 1993 Guide to make it a Recommended Practice.

Wednesday Evening Social

Buses Depart at 5:45 P.M. for a trip to the Sprecher Brewery, "Small Brewery of the Year 2004". Tour, Refreshments including European-style beers and Gourmet sodas, Dinner by Pandl's and Music by Trio du Monde will be provided.

Morning Sessions 8:00 – 12:00

Revision of HV Fuse Standards WG I and II – Revision of C37.41, Standard design tests for HV fuses. WG project to clarify test requirements for expulsion fuses, and make changes as a result of IEC harmonization efforts.

**8:00 – 9:45**

C37.04 and C37.09 Corrigenda - HVCB WG meeting to finalize Corrigenda for C37.04 and C37.09.

C37.13 – LV AC Power Circuit Breakers to discuss resolution of temperature testing of fuses of fused breakers. Other ballot comments are resolved.

Actions due to PAR schedules to be discussed.

Common Clauses for Capacitive Current Switching – Task Force (C37.100.1) The purpose of this ADSCOM TF is to identify common clauses for capacitive current switching for inclusion in C37.100.1.

C37.60 – Standard Requirements for Overhead, Pad-Mounted, Dry Vault, and Submersible Automatic Reclosers for Alternating Current Systems Up to 38kV A PAR has been written for a new WG for the revision of C37.60. Solid dielectrics and testing will be a topic, and in particular, thermo-cycling design type tests.

**10:15 – 12:00**

C37.12 – HVCB Specification Guide – WG meeting to discuss the results of a recent ballot.

C37.27 – See related topic under C37.13 above.

IEEE 1247 – Interrupter Switches WG – The standard have been approved and the 2005 edition is available from IEEE headquarter. Work is continuing on global revision of this standard and on review of load switching parameters and inductive current switching.

C37.74 – Underground Switchgear – New WG now is being formed. General revisions with possible new requirements for solid dielectric equipment design tests, routine tests and construction specifications.

Mon Afternoon Sessions 1:30 – 5:30

C37.20.2 – Standard for Metal-Clad Switchgear – Newly formed WG. WG meeting to discuss possible revisions to the 2002 edition.

Solid Dielectric Equipment Task Force – Solid Dielectric Equipment is emerging. This TF will discuss required design tests, routine tests and construction specifications. **(MEET in Midwest Airlines Center.)**

Revision of Fuse Standards C37.42, C37.43, C37.45, and C37.53.1 - WG project to revise standards that were formerly NEMA documents.

C37.16 - Low-Voltage AC Power Circuit Breakers and AC Power Circuit Protectors – Preferred Ratings, Related Requirements, And Application Recommendations – WG meeting to discuss the revision of C37.16, preferred ratings of LV PCBs. Meeting to focus on first 7 tables for AC LV PCBs.

**1:30 – 3:15**

C37.04b & C37.09b – HVCB Transient Recovery Voltage (TRV) Revision II . WG to develop TRVs within the IEEE that are harmonized with the IEC. WG will review comments from ballot of PC37.04b.

**3:45 – 5:30**

C37.12.1 High-Voltage Circuit Breakers Quality and Reliability – WG meeting to discuss the results of a recent ballot for this standard.

Mon Evening Session - 6:00 – 9:00

USNC Technical Advisory Group (TAG) for IEC Subcommittees 17A and 17C – Meeting to discuss US concerns and proposals with respect to documents and drafts addressing high-voltage switchgear and controlgear products and assemblies. Positions or assignments resulting from these meetings are used as the US position submitted to the IEC.

Morning Sessions

**8:00 – 12:00**

Administrative Subcommittee – Agenda Items include Subcommittee Chair Reports, ADSCOM WG Reports Metrification Policy Issues, Membership and Quorum discussions and future meeting plans.

**8:00 – 9:45**

HVCB Task Force for Fast Transient Recovery Voltages associated with Transformer Limited Faults

CIGRE WG A3-19 - This is an informal informational session of the CIGRE WG investigating the implications to circuit breaker standards of the higher first peak voltages associated with three- phase line fault TRVs. (Present standards only address single phase-to - ground line fault TRVs. these are often referred to as "short-line fault"). It is unlikely that there will be any significant changes to standards as a result. The issue is being put forward as an "application concern". 3 proposed "solutions" for users concerned with this issue will be presented. Note: Please contact the Chair in advance if you wish to attend the meeting of CIGRE WG A3-19.

**11:00 – 12:00**

Task Force – Transformer and Circuit Breaker Interaction. Teleconference with Transformer Committee W.G. C57.142 and Switchgear Committee Task Force.

Noon

Tuesday Luncheon

Mr. Georges Montillet will speak about the life of Andre Marie Ampere.

Tues Afternoon Sessions 2:00 – 6:00

C37.59 – Standard Requirements for Conversion of Power Switchgear Equipment – WG will meet to discuss proposed revisions to the 2002 edition.

C37.06 – HVCB Preferred Ratings – This WG is developing preferred ratings for circuit breakers in accordance with the revised ratings structure and test requirements brought on by a standards review and IEC harmonization.

High Voltage Switch Task Force on Wind Loading – The purpose of this task force is to prepare for future PAR submission with regard to standards and testing for wind loading of HV switches.

**2:00 – 3:45**

Rode Subcommittee Meeting – Meeting will include Chairman's Report, all WG and TF reports, new business and old business.

**4:15 – 6:00**

Common Clauses for Capacitive Current Switching Task Force (C37.100.1) The purpose of this ADSCOM TF is to identify common clauses for capacitive current switching for inclusion in C37.100.1.

Tues Evening Sessions 6:00 – 8:00

STLNA is an association of testing laboratories from the nations of the Americas. Their representatives meet biannually, at the Switchgear meeting, to discuss issues and contribute to the interpretation guides (STL Guides) for uniform testing practices around the world.