Status of HVCB Standards: 2006-10-04

HV Circuit Breaker Subcommittee (HVCB)

Scope of HVCB:

Treatment of all matters relating to high voltage power circuit breakers (above 1,000 Volts AC and 3,000 Volts DC)

Status of HVCB Standards:

Standard	Standard Title	WG Chair	Status
IEEE Std C37.04-1999	IEEE Standard Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	Jeff Nelson	Reaffirmation recirculation ballot underway Oct 13, 2006 Corrigenda prepared [Revision planned in future.]
IEEE Std C37.04a-2003 (Amendment to IEEE Std C37.04-1999)	IEEE Standard Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Amendment 1: Capacitance Current Switching	Roy Alexander	Valid standard To be incorporated into new C37.04
PC37.04b	IEEE Standard Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Amendment 2 Required TRV Values:	Kirk Smith	Draft balloting underway Will recirculate ballot and request extension of PAR
ANSI C37.06.-2000	American National Standard for Switchgear--AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Preferred Ratings and Related Required Capabilities	Georges Montillet	Revision draft under development Proposed capacitance switching values agreed
ANSI C37.06.1-2000	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"	Georges Montillet	Being combined with C37.06

IEEE Std C37.09-1999	IEEE Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	Georges Montillet	Corrigenda being balloted. Request two year extension with the caveat that HVCB will reaffirm all C37.09 documents as soon as C37.09b is balloted. [Revision planned in future.]
IEEE Std C37.09a-2005 (Amendment to IEEE Std C37.09-1999)	Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Amendment 1: Capacitance Current Switching	Roy Alexander	Valid standard To be incorporated into new C37.04
PC37.09b	Draft Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis---Amendment 2 Required TRV Values:	Kirk Smith	PAR approved Amendment under development which will be completed in less than two years
IEEE Std C37.010-2005 1999 in IEEExplore	IEEE Application Guide for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	Yasin Musa	Valid standard Reaffirmed 2005
IEEE Std C37.011-2006 (Revision of IEEE Std C37.011-1994)	IEEE Application Guide for Transient Recovery Voltage for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	Denis Dufournet	Valid standard May need alignment revision when C37.04 and C37.09 and amendments are published and when CIGRE A3-19 completes their work
IEEE Std C37.012-2005 (Revision of IEEE Std C37.012-1979)	IEEE Application Guide for Capacitance Current Switching for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	Anne Bosma	Valid standard
IEEE Std C37.013-1997	IEEE Standard for AC High-Voltage Generator Circuit Breaker Rated on a Symmetrical Current Basis	Bill Long	Valid standard A PAR required to revise C37.013 and combine with C37.013a (a known error will be corrected)[can purchasers of this std be advised of known error? IEEE)

PC37.013a	IEEE Standard for AC High-Voltage Generator Circuit Breaker Rated on a Symmetrical Current Basis---Supplement for generators 10 to 100 MVA	Bill Long	Amendment "a" under development (which will maintain validity of C37.013) Ballot to be issued early Oct 2006 (Ballot in old ballot system (by email))
IEEE Std C37.015-1993	IEEE Application Guide for Shunt Reactor Switching	Ken Edwards	Reaffirmed 2006 Anne Bosma will chair WG
PC37.016	Draft Standard for AC High Voltage Circuit Switchers rated 15kV through 245kV	Randy Dotson	Completed successful balloting Recommend the Standard be submitted to the Editorial Staff again before RevCom since the format (IEC format) of this particular Standard has been a subject of controversy
ANSI/IEEE Std C37.081-1981	IEEE Guide for Synthetic Fault Testing of AC High-Voltage Circuit Breakers Rated on a Symmetrical Current basis	Mel Smith	Reaffirmation initiated
IEEE Std C37.081a-1997	Ammendment to C37.081-1981	Mel Smith	To be reaffirmed with C37.081
ANSI/IEEE Std C37.082-1982	IEEE Standard Methods for the Measurement of Sound Pressure Levels of AC Power Circuit Breakers	Anne Bosma	Reaffirmed 2006 Review for consideration for IEEE/IEC Dual Logo? Ref D. Dufournet/A. Bosma
IEEE Std C37.083-1999	IEEE Guide to Synthetic Capacitor Current Switching Test of AC High-Voltage Circuit Breakers	Bill Bergman	Reaffirmation initiated
IEEE Std C37.10-2000 1995 in IEEExplore	IEEE Guide for Diagnostics and Failure Investigation of Power Circuit Breakers	Devki Sharma	Reaffirmed 2002 Proposal to combine with form in IEEE Std 1325 Ck with Matt Ceglia
IEEE Std C37.10.1-2006	IEEE Guide for the Selection of Monitoring for Circuit Breakers	Bill Bergman	Valid standard
C37.11-2003	IEEE Standard Requirements for Electrical Control for High-Voltage Circuit Breakers Rated on A Symmetrical Current Basis	Bill Long	Valid standard

IEEE PC37.12 ANSI C37.12-1991	"Guide for the Specification of AC High-Voltage Circuit Breakers" American National Standard for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis—Specifications Guide	Ken Edwards	Revision under development PAR submitted for title change and extension First ballot completed
PC37.12.1	Draft IEEE Guide for High Voltage (>1000V) Circuit Breaker Instruction Manual Content	Bill Bergman	D2 Balloted Comment resolution stage
Std 1325-2002	IEEE Recommended Practice for Reporting Field Failure Data for Power Circuit Breakers	Pete Dwyer	Valid standard
IEEE PC57.142	A Guide To Describe The Occurrence and Mitigation Of Switching Transients Induced By Transformer And Switching Device Interaction	Steve Lambert	New joint WG to be formed with Transformer and Switchgear Committee participants
IEEE C57.16 annex	IEEE Standard Requirements, Terminology, and Test Code for Dry-Type Air-Core Series-Connected Reactors	Jeff Nelson	Proposed annex on the TRV effects of series reactors on circuit breakers

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