

Minutes of Meeting, September 23, 2015

Study Group HCVB Definitions

Location: Catamaran Resort, San Diego CA

Participants: 15

1) The meeting started with the introductions of the attendees and affiliation.

2) The agenda for the meeting as follows

- Introduction
- Purpose
 - Review proposal to develop a new standard definition document to replaced existing C37.100 document with stand alone document similar to C37.20.10 (Swgr Assemblies)
- Approach to Develop new document
 - Use definitions from C37.100-1992 (R 2001) IEEE Standard Definitions for Power Switchgear
 - Add definitions from existing HVCB standards in revision
 - Review 170 (current) definitions for
 - Correctness
 - Relevance
- Submit PAR
- Other approach?
 - Move Definitions to C37.20.10 (Swgr Assemblies) doc?

3) After much discussion between participants the following action plan was decided.

- Submit a PAR requesting a new standard titled Standard for Definitions of High Voltage Circuit Breakers Above 1000V.
- Request #C37.100.5 be used. The group thought that this # could be used in the future to consolidate all definitions standards under Switchgear under one definition document.
- Use definitions from C37.100-1992 (R 2001) IEEE Standard Definitions label HVCB
- Request definitions from chairs of standards under revision. Add these definitions to the document.
- Any duplicate definition will be resolved by study group.
- Review existing documents to verify that the word is used in an HVCB standard. See section 4) for current list.
- Add C37.100.1 &.2 documents to the list of documents to be included in the scope of this document.
- Remove documents C37.081-1981 and c37.083-1999 from the scope.
- Send out ballot by February, 2016

4) List of standards to be included in the scope of the proposed HVCB definition document are shown below.

Document	Title	Chair
PC37.04	Standard for Ratings and Requirements for AC High Voltage	Nelson

	Circuit Breakers with Rated Maximum Voltage above 1000 V	
C37.06	IEEE Standard for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis - Preferred Ratings and Related Required Capabilities for Voltages Above 1000 V	Mauricio Aristizabal
PC37.06.1	Recommended Practice for Preferred Ratings for High-Voltage (>1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times	Sushil Shinde
PC37.09	IEEE Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	Xi Zhu
PC37.010	Application Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current	Helmut Heiermeier
PC37.012	IEEE Application Guide for Capacitance Current Switching for AC High-Voltage Circuit Breakers	Anne Bosma
P62271-37-013	Standard for AC High Voltage (rated above 1000 V) Generator Circuit Breakers for Use With Generators Rated 10 MVA or More	Bill Long
62271-37-082-2012	Standard for High-voltage switchgear and control gear - Part 37-082: Measurement of sound pressure levels on AC HVCB	Leslie Falkingham
C37.015-2009	IEEE Guide for the Application of Shunt Reactor Switching	Anne Bosma
PC37.016	Standard for AC High Voltage Circuit Switchers Rated 15.5kV through 245kV	Peter Meyer
C37.081-1981	IEEE Guide for Synthetic Fault Testing of AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis	Mauricio Aristizabal
C37.083-1999	IEEE Guide for Synthetic Capacitive Current Switching Tests of AC High-Voltage Circuit Breakers	Mauricio Aristizabal
C37.10-2011	IEEE Guide for Investigation, Analysis, and Reporting of Power Circuit Breaker Failures	Bill Bergman
C37.10.1-2000	IEEE Guide for the Selection of Monitoring for Circuit Breakers	Dave Mitchell
PC37.11	Standard Requirements for Electrical Control for AC High-Voltage (>1000V) Circuit Breakers	John Webb

C37.12-2008	IEEE Guide for Specifications of High-Voltage Circuit Breakers (over 1000 Volts)	John Webb
C37.12.1-2007	IEEE Guide for High Voltage (>1000V) Circuit Breaker Instruction Manual Content	Ken Edwards
C37.20.6-2007	4.76 kV to 38 kV Rated Grounding and Testing Devices Used in Enclosures	T. W. Olsen
C37.59-2007	Requirements for Conversion of Power Switchgear Equipment	Dean Sigmon
C37.122-2010	Standard for High Voltage Gas-Insulated Substations Rated above 52 kV	Jon Brunke
C37.122.3-2011	IEEE Guide for Sulphur Hexafluoride (SF6) Gas Handling for High-Voltage (over 1000 Vac) Equipment	Gordon van der Zel (Jeff Nelson)
C37.100.1	Common Requirements for HV Power Switchgear Above 1000V	Dave Stone
C37.100.2	Common Clauses for Capacitance Switching	Neal McCord

Not presently in revision

Added to scope

Remove from scope

The following people attending the study group meeting in San Diego on 9-23-2015:

Tom Mulcahy – Chair - Dominion Virginia Power

Chih Chow - PEPCO

Pete Marzec – S&C

Todd Irwin - Alstom Grid Inc

Richard York - Mitsubishi Electric Power Products, Inc.

Oscar Montano - Salt River Project

Rod Sauls - Southern Company Services

Anthony Ricciuti - Eaton Corporation

Mauricio Aristizabal - ABB

Kresimir Starcevic - KEMA-Powertest, LLC

Dave Mitchell - Dominion Virginia Power

Eldridge Byron - Schneider Electric

Tom Pellerito - DTE Energy

Raymond Browning - FirstEnergy Corp.

Donald Cantrelle – Georgia Power

Mike Skidmore - AEP