

# ADSCOM Report

Spring 2014

## 1. STANDARDS COORDINATORS REPORT

The rule changes for the document maintenance cycle have eliminated the reaffirmation process. The documents now have a 10-year life. Activity to revise documents must occur during that time period. The document cannot be reaffirmed as a stop-gap while the revision takes place.

## 2. DOCUMENT STATUS

There are 37 Switchgear documents scheduled for Administrative Withdrawal on 31 December 2018. There are 6 documents that are Amendments, Corrigendum, etc. and will be rolled into the parent document. Of the documents needing action;

15 have PARs - 11 have a Draft under development  
4 are in ballot comment resolution  
15 have no action identified.

These documents must be completed by 2018; that means only 4 years to complete the revision process. The list of documents scheduled to expire is provided by responsible subcommittee below:

### ADSCOM

<b>C37.59-2007</b>	IEEE Standard Requirements for Conversion of Power Switchgear Equipment
<b>C37.100-1992</b>	IEEE Standard Definitions for Power Switchgear
<b>C37.100.1-2007</b>	IEEE Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

### HVCB

<b>C37.04-1999</b>	IEEE Standard Rating Structure for AC High-Voltage Circuit Breakers
<b>C37.04a-2003</b>	IEEE Standard Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis: Amendment 1 Capacitance Current Switching

- C37.04b-2008** IEEE Standard for Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis Amendment 2: To Change the Description of Transient Recovery Voltage for Harmonization with IEC 62271-100
- C37.09-1999** IEEE Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis
- C37.09-1999/Cor 1-2007** IEEE Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis - Corrigendum 1
- C37.09a-2005** American National Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis Amendment 1: Capacitance Current Switching
- C37.010-1999** IEEE Application Guide for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis
- C37.013-1997** IEEE Standard for AC High-Voltage Generator Circuit Breakers Rated on a Symmetrical Current Basis
- C37.013a-2007** IEEE Standard for AC High Voltage Generator Circuit Breakers Rated on a Symmetrical Current Basis - Amendment 1: Supplement for Use with Generators Rated 10-100 MVA
- C37.016-2006** IEEE Standard for AC High Voltage Circuit Switchers rated 15.5kV through 245kV
- C37.081-1981** IEEE Guide for Synthetic Fault Testing of AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis
- C37.081a-1997** Supplement to IEEE Guide for Synthetic Fault Testing of AC High Voltage Circuit Breakers Rated on a Symmetrical Current Basis
- C37.083-1999** IEEE Guide for Synthetic Capacitive Current Switching Tests of AC High-Voltage Circuit Breakers
- C37.10.1-2000** IEEE Guide for the Selection of Monitoring for Circuit Breakers
- C37.11-1997** IEEE Standard Requirements for Electrical Control for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis
- C37.12-2008** IEEE Guide for Specifications of High-Voltage Circuit Breakers (over 1000 Volts)
- C37.12.1-2007** IEEE Guide for High-Voltage (>1000 V) Circuit Breaker Instruction Manual Content

## **HVF**

- C37.41-2008** IEEE Standard Design Tests for High-Voltage (>1000 V) Fuses, Fuse and Disconnecting Cutouts, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Fuse Links and Accessories Used with These Devices
- C37.43-2008** IEEE Standard Specifications for High-Voltage Expulsion, Current-Limiting, and Combination-Type Distribution and Power Class External Fuses, with Rated Voltages from 1 kV through 38 kV, Used for the Protection of Shunt Capacitors
- C37.45-2007** IEEE Standard Specifications for High Voltage Distribution Class Enclosed Single-Pole Air Switches with Rated Voltages from 1 through 8.3 kV

## **HVS**

- C37.30-1997** IEEE Standard Requirements for High Voltage Switches
- C37.32-2002** American National Standard for Switchgear High Voltage Air Switches
- C37.34-1994** IEEE Standard Test Code for High-Voltage Air Switches
- C37.35-1995** IEEE Guide for the Application, Installation, Operation, and Maintenance of High-Voltage Air Disconnecting and Interrupter Switches
- C37.36b-1990** IEEE Guide to Current Interruption with Horn-Gap Air Switches
- C37.37-1996** IEEE Loading Guide for AC High-Voltage Air Switches (in Excess of 1000 V)
- 1247-2005** IEEE Standard for Interrupter Switches for Alternating Current, Rated Above 1000 Volts

## **LVSD**

- C37.13-2008** IEEE Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures
- C37.13.1-2006** IEEE Standard for Definite Purpose Switching Devices for Use in Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear
- C37.14-2002** IEEE Standard for Low-Voltage DC Power Circuit Breakers Used in Enclosures

**C37.27-2008** IEEE Application Guide for Low-Voltage AC Power Circuit Breakers Applied with Separately-Mounted Current-Limiting Fuses

### **RODE**

**C37.66-2005** IEEE Standard Requirements for Capacitor Switches for AC Systems (1 kV to 38 kV)

**C37.74-2003** IEEE Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV

### **SASC**

**C37.20.1-2002** IEEE Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear

**C37.20.1a-2005** IEEE Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear---Amendment 1: Short-Time and Short-Circuit Withstand Current Tests---Minimum Areas for Multiple Cable Connections

**C37.20.1b-2006** IEEE Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear - Amendment 2: Additional Requirements for Control and Auxiliary Power Wiring in DC Traction Power Switchgear

**C37.20.2-1999** IEEE Standard for Metal-Clad Switchgear

**C37.20.6-2007** Standard for 4.76 kV to 38 kV Rated Ground and Test Devices Used in Enclosures

**C37.20.7-2007** IEEE Guide for Testing Metal-Enclosed Switchgear Rated Up to 38 kV for Internal Arcing Faults

**C37.23-2003** IEEE Standard for Metal-Enclosed Bus

**C37.24-2003** IEEE Guide for Evaluating the Effect of Solar Radiation on Outdoor Metal-Enclosed Switchgear

This is the list from IEEE Headquarters as of April 2014. If there are any inaccuracies, please bring them to my attention.

### 3. PROJECT STATUS

The following is a list of projects which will expire if no action is taken to extend their life. I ask that all the working group chairs review this list and take the appropriate action as follows:

If these projects will not be submitted to RevCom by the submittal deadline for the December 2014 meeting, you need to take one of the following steps:

1. Request an extension for the project (PAR). Please note that extension requests are usually granted from one to two years. Significant justification must be provided for an extension request which exceeds two years.
2. Request withdrawal of the project (PAR).

Log on to myProject (<https://development.standards.ieee.org/my-site>) to submit a request for either of these actions under the link for 'Submit a PAR'. Once submitted, the request to Extend an Approved PAR or the request to Withdraw an Approved PAR will be placed on the agenda of the next scheduled NesCom meeting. NesCom will make its recommendation based upon the information provided.

**The following PARs are due to expire and action is required:**

**P62271-37-013** "High-Voltage Switchgear and Controlgear - Part 37-013: Alternating-current generator circuit-breakers"

*1-year PAR extension approved Aug 23, 2013.*

**PC37.11** Standard Requirements for Electrical Control for AC High-Voltage (>1000V) Circuit Breakers

*John Webb will start recirculation ballot in time to have comments for meeting in San Antonio. Ballot opened - due Sept. 13, 2013.*

**PC37.20.2** Standard for Metal-Clad Switchgear

*First ballot comment resolution is in process. Recirculation ballot planned for late May 2014.*

**PC37.66** Guide for Wind Loading Evaluation of High Voltage (>1000 V) Air Break Switches

**PC37.74** Standard Requirements for Subsurface, Vault, and Padmounted Load-Interrupter Switchgear and Fused Load-Interrupter Switchgear for Alternating Current Systems up to 38 kV

*29-Aug - PAR extension request October NesCom process.*

**PC37.100.2** Test Procedure for Capacitive Current Switching of HV Circuit Switching Devices

**PC37.302** Guide for Fault Current Limiter (FCL) Testing

If there is no action taken to extend these projects by the 20 October 2014 NesCom/RevCom submittal deadline, the PAR will expire on 31 December 2014.

The Standards Board work load is substantial in December and they request PAR extension requests be sent in earlier where it is possible. The list below shows the meeting dates and associated deadlines. If you know you need an extension, please send it to the earliest possible meeting.

<u>2014 Meeting Date</u>	<u>Deadline for Submittal</u>
June	2 May
August	11 July
December	20 October

Reported 8 May 2014.

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