

# PC37.59

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**Submitter Email:** [michaeldsigmon@eaton.com](mailto:michaeldsigmon@eaton.com)

**Type of Project:** Revision to IEEE Standard C37.59-2007

**PAR Request Date:** 18-Jun-2014

**PAR Approval Date:** 21-Aug-2014

**PAR Expiration Date:** 31-Dec-2018

**Status:** PAR for a Revision to an existing IEEE Standard

**Root Project:** C37.59-2007

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**1.1 Project Number:** PC37.59

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard Requirements for Conversion of Power Switchgear Equipment **Changes in title:** ~~IEEE~~ Standard Requirements for Conversion of Power Switchgear Equipment

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**3.1 Working Group:** Adscm - IEEE Standard Requirements for Conversion of Power Switchgear Equipment (PE/SWG/Adscm-WG\_C37.59)

**Contact Information for Working Group Chair**

**Name:** Michael Sigmon

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**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE Power and Energy Society/Switchgear (PE/SWG)

**Contact Information for Sponsor Chair**

**Name:** T Olsen

**Email Address:** [t.olsen@ieee.org](mailto:t.olsen@ieee.org)

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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 05/2016

**4.3 Projected Completion Date for Submittal to RevCom:** 10/2017

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 35

**5.2 Scope:** This standard covers power switchgear equipment that is converted from a qualified design. It provides direction and guidance in those conversions and specifies required design verification in accordance with applicable American National Standards Institute (ANSI), National Electrical Manufacturers Association (NEMA), Underwriters Laboratories Inc. (UL), or IEEE standards.

This standard also recognizes that production/field testing does not provide design verification. It can only be accomplished by means of design testing and technical evaluation.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** This document will not include a purpose clause.

**5.5 Need for the Project:** The field of conversions of power switchgear is evolving, creating the need to keep this document current with the state-of-the-art. The original document was issued in 1991, with revisions in 1996, 2002, and 2007. This illustrates the pace of change in technology of conversions. This standard needs continual attention to provide users, converters, and third-party agencies technically current information in the selection, application, design verification, and use of converted power switchgear equipment.

**5.6 Stakeholders for the Standard:** The stakeholders for this project are users of power distribution switchgear, manufacturers, test laboratories, third-party certification organizations, and consulting engineering firms.

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## Intellectual Property

**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** No

**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

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**7.1 Are there other standards or projects with a similar scope?:** Yes

**If Yes please explain:** ANSI/IEEE C37.13.1 covers Low Voltage Definite Purpose Switching Devices that are considered conversions of low voltage switchgear.

**and answer the following**

**Sponsor Organization:** PE/SWG

**Project/Standard Number:** C37.13.1

**Project/Standard Date:** 18-Oct-2006

**Project/Standard Title:** IEEE Standard for Definite-Purpose

Switching Devices for Use in Metal-

Enclosed Low-Voltage Power Circuit

Breaker Switchgear

**7.2 Joint Development**

**Is it the intent to develop this document jointly with another organization?:** No

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**8.1 Additional Explanatory Notes (Item Number and Explanation):** As the aftermarket/replacement circuit breaker industry evolves, C37.59 must be updated to address new types and new configurations of conversions. Recent new configurations of medium voltage vacuum replacement circuit breakers and definite purpose switching devices need to be addressed.