

## PC57.12.36

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**Submitter Email:** [jerry.murphy@ieee.org](mailto:jerry.murphy@ieee.org)

**Type of Project:** Revision to IEEE Standard C57.12.36-2007

**PAR Request Date:** 19-Oct-2011

**PAR Approval Date:** 07-Dec-2011

**PAR Expiration Date:** 31-Dec-2015

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

**Root Project:** C57.12.36-2007

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**1.1 Project Number:** PC57.12.36

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard Requirements for Liquid-Immersed Distribution Substation Transformers

**Changes in title:** ~~IEEE~~ Standard Requirements for Liquid-Immersed Distribution Substation Transformers

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**3.1 Working Group:** Distribution - Dist. Sub. Xfrmers Working Group (PE/TR/Dist-WGC57.12.36)

**Contact Information for Working Group Chair**

**Name:** Jerry Murphy

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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/Transformers (PE/TR)

**Contact Information for Sponsor Chair**

**Name:** James Smith

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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:** 04/2015

**4.3 Projected Completion Date for Submittal to RevCom:** 10/2015

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 30

**5.2 Scope:** This standard covers certain electrical, dimensional, and mechanical characteristics of 50 Hz and 60 Hz, two winding, liquid-immersed distribution substation transformers. Such transformers may be remotely or integrally associated with either primary and secondary switchgear or substations, or both, for step-down or step-up purposes rated as follows:

a) 112.5 kVA through 10 000 kVA three-phase

b) 250 kVA through 6667 kVA single-phase

c) High voltage 69 000 V and below and low voltage 34 500 V and below

It is not intended that this standard shall apply to dry-type, regulating, pad-mounted, secondary-network, furnace, rectifier, mobile, railway, or mine transformers.

**Changes in scope:** This standard covers certain electrical, dimensional, and mechanical characteristics of 50 Hz and 60 Hz, two winding, liquid-immersed distribution substation transformers. Such transformers may be remotely or integrally associated with either primary and secondary switchgear or substations, or both, for step-down or step-up purposes rated as follows: a) 112.5 kVA through 10 000 kVA three-phase b) 250 kVA through 6667 kVA single-phase c) High voltage 69 000 V and below and low voltage 34 500 V and below It is not intended that this standard shall apply to dry-type, regulating, pad-mounted, secondary-network, furnace, rectifier, mobile, railway, or mine transformers.

**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.

**Changes in purpose:**

**5.5 Need for the Project:** This document clarifies specific requirements for a class of transformers that has traditionally been handled within the Power Transformer Standard C57.12.10. The power transformer requirements dominated the standard and these requirements were not necessarily what either the users or manufactures agreed to produce. The requirements defined in this standard combine some of the distribution requirements from C57.12.34 and some of the product standards from C57.12.10 giving the users and manufactures a consolidated location for all requirements. This revision addresses issues that were tabled during the original production of this standard as they were deemed additional information that could be

added in a future update.

**5.6 Stakeholders for the Standard:** Stakeholders include the following end users: Utilities, Industrial, and Institutional organizations. OEM manufactures are also stakeholders as this equipment is packaged with switchgear which is addressed in this standard.

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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?:** No

**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):**