

## PC57.12.40

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**Submitter Email:** [brian.klaponski@carte.ca](mailto:brian.klaponski@carte.ca)

**Type of Project:** Revision to IEEE Standard C57.12.40-2011

**PAR Request Date:** 28-Jun-2012

**PAR Approval Date:** 30-Aug-2012

**PAR Expiration Date:** 31-Dec-2016

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

**Root Project:** C57.12.40-2011

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**1.1 Project Number:** PC57.12.40

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 V and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed)

**Changes in title:** ~~IEEE~~ Standard for Network, Three-Phase Transformers, 2500 kVA and Smaller; High Voltage, 34 500 ~~GrdY/19-920V~~ and Below; Low Voltage, 600 V and Below; Subway and Vault Types (Liquid Immersed)

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**3.1 Working Group:** Underground TR & NW Protect - Std. Req. for Sec. Network Xfrms Working Group (PE/TR/UG-WGC57.12.40)

**Contact Information for Working Group Chair**

**Name:** Brian Klaponski

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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:** Bill Chiu

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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:** 01/2016

**4.3 Projected Completion Date for Submittal to RevCom:** 10/2016

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 12

**5.2 Scope:** This standard covers certain electrical, dimensional, and mechanical characteristics and takes into consideration certain safety features of three-phase, 60-Hz, liquid-immersed, self-cooled, network transformers with a primary grounding switch. These transformers are rated 2500 kVA and below with high voltages of 34 500 volts and below and secondaries of 600 volts and below. These transformers are generally used for step-down purposes from underground primary cables and supply a secondary network system through network protectors. These transformers are typically installed below ground level.

**Changes in scope:** This standard covers certain electrical, dimensional, and mechanical characteristics and takes into consideration certain safety features of three-phase, 60-Hz, liquid-immersed, self-cooled, network transformers with a primary grounding switch. These transformers are rated 2500 kVA and below with high voltages of 34 ~~500GrdY/19~~500 ~~920volts and below and secondaries of 600~~ volts and below. These transformers are generally used for step-down purposes from underground primary cables and supply a secondary network system through network protectors. These transformers are typically installed below ground level.

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

**5.4 Purpose:** This standard is intended for use as a basis for establishing the performance, electrical and mechanical interchangeability, safety of the equipment covered, and to assist in the proper selection of such equipment.

**5.5 Need for the Project:** This standard is needed as a basis for establishing the performance, electrical and mechanical interchangeability, safety of the equipment covered, and to assist in the proper selection of such equipment.

**5.6 Stakeholders for the Standard:** Electric utilities, end users and equipment manufacturers.

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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):**