

# PC57.106

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**Type of Project:** Revision to IEEE Standard C57.106-2006

**PAR Request Date:** 06-Sep-2011

**PAR Approval Date:** 09-Nov-2011

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

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

**Root Project:** C57.106-2006

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**1.1 Project Number:** PC57.106

**1.2 Type of Document:** Guide

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Guide for Acceptance and Maintenance of Insulating Oil in Equipment **Changes in title:** ~~IEEE~~ Guide for Acceptance and Maintenance of Insulating Oil in Equipment

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**3.1 Working Group:** Insulating Fluids - Mineral Oil Working Group (PE/TR/InsFluid-WGC57.106)

**Contact Information for Working Group Chair**

**Name:** Susan Mcnelly

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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**

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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:** 40

**5.2 Scope:** This guide applies to mineral oil used in transformers, load tap changers, voltage regulators, reactors, and

circuit breakers. The guide discusses the following:

a) Analytical tests and their significance for the evaluation of mineral insulating oil.

b) The evaluation of new, unused mineral insulating oil before and after filling into equipment.

c) Methods of handling and storage of mineral insulating oil.

d) The evaluation of service-aged mineral insulating oil.

e) Health and environmental care procedures for mineral insulating oil.

The characteristics of the oils discussed in this guide do not include oil that is in factory fill lines, nor does this guide cover reclaimed oil installed in new equipment. The qualities of such oil, if used, should be agreed upon by the manufacturer and the user of the equipment.

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

**5.4 Purpose:** This guide is to assist users of the equipment in evaluating the serviceability of new, unused oil being received in equipment; oil as received for filling new equipment at the installation site; and oil as processed into equipment. It also assists the operator in maintaining the oil in serviceable

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operator in maintaining the oil in serviceable condition.

**5.5 Need for the Project:** This Guide provides critical evaluation information to owners and users of power equipment which contains mineral oil.

**5.6 Stakeholders for the Standard:** Owners and users of mineral oil-filled equipment, and Field Service firms that service same.

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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):** No change in Scope.  
Only grammatical changes in the Purpose