

# PC57.161

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**Type of Project:** New IEEE Standard

**PAR Request Date:** 15-Jul-2013

**PAR Approval Date:** 23-Aug-2013

**PAR Expiration Date:** 31-Dec-2017

**Status:** PAR for a New IEEE Standard

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**1.1 Project Number:** PC57.161

**1.2 Type of Document:** Guide

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Guide for Dielectric Frequency Response Test

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**3.1 Working Group:** Dielectric Tests - Guide for Dielectric Frequency Response (PE/TR/Dielectric-WGC57.161)

**Contact Information for Working Group Chair**

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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:** 01/2016

**4.3 Projected Completion Date for Submittal to RevCom:** 08/2016

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 20

**5.2 Scope:** This guide is applicable to the methods of Dielectric Frequency Response (DFR) of liquid immersed transformers. The guide includes recommendations for instrumentation, procedures for performing the tests and techniques for analyzing the data. This guide can be used in both field and factory applications.

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

**5.4 Purpose:** The purpose of this guide is to provide the user with information that will assist in performing Dielectric Frequency Response measurements and interpreting the results from these measurements.

**5.5 Need for the Project:** DFR testing has been used worldwide for several years. This guide will provide a review of the DFR methodology and guidance in the practical application and interpretation of the results. This guide will also help users to perform DFR testing in a recommended consistent manner to allow for a better trending and comparison of the data.

**5.6 Stakeholders for the Standard:** Utilities, transformer manufacturers, testing service companies, manufacturer of testing equipment.

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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):**