PC57.149

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Type of Project: Revision to IEEE Standard C57.149-2012
PAR Request Date: 03-May-2018
PAR Approval Date: 14-Jun-2018
PAR Expiration Date: 31-Dec-2022
Status: PAR for a Revision to an existing IEEE Standard
Root Project: C57.149-2012

1.1 Project Number: PC57.149
1.2 Type of Document: Guide
1.3 Life Cycle: Full Use

2.1 Title: Guide for the Application and Interpretation of Frequency Response Analysis for Oil-Immersed Transformers

Changes in title: ~~IEEE~~ Guide for the Application and Interpretation of Frequency Response Analysis for Oil-Immersed Transformers

3.1 Working Group: Performance Characteristics - FRA Guide Working Group (PE/TR/PerfCharac-WGC57.149)
Contact Information for Working Group Chair
Name: Charles Sweetser
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None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Transformers (PE/TR)
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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: 06/2020
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 05/2022

5.1 Approximate number of people expected to be actively involved in the development of this project: 40
5.2 Scope: This guide is applicable to the measurement of Frequency Response Analysis (FRA) of an oil-immersed power transformer. The guide will include the requirements and specifications for instrumentation, procedures for performing the tests, techniques for analyzing the data, and recommendations for long-term storage of the data and results. 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 making frequency response measurements and interpreting the results from these measurements. It will provide guidance for all current methods employed in taking these measurements.

5.5 Need for the Project: The initial FRA Guide (C57.149) was published in 2012. It will expire and is due for revision in 2022. The WG will review and refresh the document as necessary.

5.6 Stakeholders for the Standard: None

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

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

8.1 Additional Explanatory Notes: 5.5 The initial FRA Guide (C57.149) was published in 2012. It will expire and is due for revision in 2022. The WG will review and refresh the document as necessary. Any new information regarding FRA interpretation strategies and case studies will be evaluated for use in the revised guide.