

PC57.164

Submitter Email: jverner@ieee.org
Type of Project: New IEEE Standard
PAR Request Date: 19-May-2016
PAR Approval Date: 30-Jun-2016
PAR Expiration Date: 31-Dec-2020
Status: PAR for a New IEEE Standard

1.1 Project Number: PC57.164
1.2 Type of Document: Guide
1.3 Life Cycle: Full Use

2.1 Title: Guide for Establishing Short Circuit Withstand Capabilities of Liquid Immersed Power Transformers, Regulators, and Reactors

3.1 Working Group: Guide for Establishing Short Circuit Withstand Capabilities of Liquid Immersed Power Transformers, Regulators, and Reactors (PE/TR/PerfCharac-WG C57.164)

Contact Information for Working Group Chair

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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: 11/2018

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2019

5.1 Approximate number of people expected to be actively involved in the development of this project: 45

5.2 Scope: This Guide describes theoretical and practical ways to evaluate liquid immersed power transformers, regulators, and reactors capabilities to withstand short circuit currents. The equipment capabilities will be assessed based on calculations, design characteristics, construction techniques and material properties. The methods described are not mandatory and will not set forth requirements on how the transformer must be designed.

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.

5.5 Need for the Project: There are presently no IEEE Standards that address short circuit design criteria. It was agreed by the TF and Performance Characteristics Subcommittee that there is a need for such an IEEE guide, especially since few users are having actual short circuit testing completed at test facility or factory. This new guide will not be mandatory and will not set out how transformers must be designed but give guidance on design.

5.6 Stakeholders for the Standard: Power Transformer Manufacturers, Users, Academics, Consultants

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: