

PC37.110

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Type of Project: Revision to IEEE Standard C37.110-2007

PAR Request Date: 20-Apr-2015

PAR Approval Date: 11-Jun-2015

PAR Expiration Date: 31-Dec-2019

Status: PAR for a Revision to an existing IEEE Standard

Root Project: C37.110-2007

1.1 Project Number: PC37.110

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Guide for the Application of Current Transformers Used for Protective Relaying Purposes **Changes in title:** ~~IEEE~~ Guide for the Application of Current Transformers Used for Protective Relaying Purposes

3.1 Working Group: Working Group for the Application of Current Transformers Used for Protective Relaying Purposes (PE/PSR/C37.110_WG-I15)

Contact Information for Working Group Chair

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Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Power System Relaying (PE/PSR)

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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: 09/2018

4.3 Projected Completion Date for Submittal to RevCom: 05/2019

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

5.2 Scope: This guide describes the characteristics and classification of current transformers (CTs) used for protective relaying. It also describes the conditions that cause the CT output to be distorted and the effects on relaying systems of this distortion. The selection and application of CTs for the more common protection schemes are also addressed.

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 present a comprehensive treatment of the theory and application of CTs to assist the relay application engineer in the correct selection and application of CTs for protective relaying purposes.

5.5 Need for the Project: New theories and applications will be addressed for selection of CTs with the use of modern micro-processor relays. The current revision is focused on CT selection and saturation calculations that are geared toward electro-mechanical relays.

5.6 Stakeholders for the Standard: Electrical engineers and equipment manufacturers in the power industry.

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 (Item Number and Explanation): 5.5 The standard will be revised to include more details for CT use with modern micro-processor relays and more detailed information on CT applications and selection criteria.