

IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers

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of the
IEEE Power and Energy Society

Approved 5 December 2015

IEEE-SA Standards Board

Abstract: Recommendations for operation and maintenance of dry-type distribution and power transformers are provided.

Keywords: application, distribution transformers, dry-type, IEEE C57.94™, installation, maintenance, operation power transformer, testing

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Introduction

This introduction is not part of IEEE Std C57.94-2015, IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type Distribution and Power Transformers.

This recommended practice is a revision of IEEE Std C57.94-1982, IEEE Recommended Practice for Installation, Application, Operation, and Maintenance of Dry-Type General Purpose Distribution and Power Transformers. The changes in this revision reflect current advancements in technologies including updates to recommended and optional pre-service and periodic test lists.

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1. Overview

1.1 Scope

This recommended practice covers general recommendations for the application, installation, operation, and maintenance of all single and polyphase ventilated, non-ventilated, and sealed dry-type distribution and power transformers or autotransformers, including those with solid-cast and/or resin encapsulated windings except as follows:

- a) Instrument transformers
- b) Step- and induction-voltage regulators
- c) Arc-furnace transformers
- d) Rectifier transformers
- e) Specialty and general purpose transformers
- f) Mine transformers
- g) Testing transformers
- h) Welding transformers