

P60214-1-57-131

Submitter Email: craigacolopy@eaton.com

Type of Project: New IEEE Standard (adoption)

PAR Request Date: 18-Aug-2016

PAR Approval Date: 07-Dec-2016

PAR Expiration Date: 31-Dec-2020

Status: PAR for the Adoption of a Non-IEEE Standard

* Adoption of a Non-IEEE Standard *

1.1 Project Number: P60214-1-57-131

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard Requirements for Tap Changers

3.1 Working Group: Power Transformers - Tap Changers (PE/TR/PwrTrans-TapChgr)

Contact Information for Working Group Chair

Name: Craig Colopy

Email Address: craigacolopy@eaton.com

Phone: (262)-896-2342

Contact Information for Working Group Vice-Chair

Name: Axel Kraemer

Email Address: a.kraemer@reinhausen.com

Phone: +4994140904050

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Transformers (PE/TR)

Contact Information for Sponsor Chair

Name: Stephen Antosz

Email Address: santosz@ieee.org

Phone: 724-873-2153

Contact Information for Standards Representative

Name: James Graham

Email Address: jimgraham@ieee.org

Phone: 412-478-4450

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 08/2017

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 40

5.2 The Scope of this project is adoption of: IEC TC 14 Power Transformers - Tap-changers - Part 1: Performance requirements and test methods as an IEEE Standard

5.3 Scope of the document being adopted: This part of IEC 60214 applies to on-load tap-changers of both resistor and reactor types, deenergized tap-changers, and their motor-drive mechanisms.

It applies mainly to tap-changers immersed in mineral insulating oil according to IEC 60296 but may also be used for tap-changers with air or gas insulation or immersed in other insulating liquids insofar as conditions are applicable.

It applies mainly to tap-changers with arcing contacts but may also be used for arcing-free on-load tap-changers (such as electronic switching) insofar as conditions are applicable.

This part of IEC 60214 applies to power and distribution transformers of all types and also to reactors.

It does not apply to transformers and reactors mounted on railway rolling stock.

5.4 Is the completion of this standard dependent upon the completion of another standard: No

5.5 Purpose of the document being adopted: This document will not include a purpose clause.

5.6 Need for the Project: IEEE C57.131 Standard Requirements for Tap Changers was last published in 2012. This standard has always been based on the latest IEC Standard 60214-1

Tap-changers - Part 1: Performance requirements and test methods. This standard was last published in May 2014.

Due to the similarity between these two standards it was

decided to form a task force to compare the two latest published documents. Due to the work of this Task Force it was approved unanimously by the Power Transformer

Subcommittee to move towards adoption of the IEC standard 60214-1 with an Annex to detail any major differences.

Some main areas that are part of 60214-1 ED 2 and not with C57.131-2012 are as follows:

- Vacuum type tap-changers
- SF6 tap-changers
- Step Voltage Regulators

5.7 Stakeholders for the Standard: The stakeholders of this guide include the electric utility users, commercial and industrial users, consultants, manufacturers of tap-changers, controls and transformers, and test laboratories.

Intellectual Property

6.1.a. Has the IEEE-SA staff obtained the necessary permissions for the adoption of this document?: Yes

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: IEC is the International Electrotechnical Commission; TC14 is the Technical Committee for Power Transformers;

C57.131 is IEEE Standard Requirements for Tap Changers; IEC 60214-1 is "Tap-changers - Part 1, Performance Requirements and Test Methods".

IEEE and IEC will jointly revise this proposed adopted standard when IEC determines it is time for revision of 60214-1.