

P115

Submitter Email: h.karmaker@ieee.org

Type of Project: Revision to IEEE Standard 115-2009

PAR Request Date: 15-Oct-2015

PAR Approval Date: 05-Dec-2015

PAR Expiration Date: 31-Dec-2019

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 115-2009

1.1 Project Number: P115

1.2 Type of Document: Guide

1.3 Life Cycle: Full Use

2.1 Title: Guide for Test Procedures for Synchronous Machines Part I--Acceptance and Performance Testing Part II--Test Procedures and Parameter Determination for Dynamic Analysis

Changes in title: ~~IEEE~~ Guide for Test Procedures for Synchronous Machines Part I--Acceptance and Performance Testing Part II--Test Procedures and Parameter Determination for Dynamic Analysis

3.1 Working Group: Generator SC - Test Procedure for Synchronous Machines - WG#7 (PE/EM/GEN - WG115)

Contact Information for Working Group Chair

Name: Haran Karmaker

Email Address: h.karmaker@ieee.org

Phone: 512-218-7362

Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Electric Machinery (PE/EM)

Contact Information for Sponsor Chair

Name: Kevin Mayor

Email Address: kevin.mayor@power.alstom.com

Phone: Kevin Mayor

Contact Information for Standards Representative

Name: Innocent Kamwa

Email Address: kamwa@ireq.ca

Phone: 450-652-8122

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2017

4.3 Projected Completion Date for Submittal to RevCom: 08/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 35

5.2 Scope: This guide contains instructions for conducting generally applicable and accepted tests to determine the performance characteristics of synchronous machines. Although the tests described are applicable in general to synchronous generators, synchronous motors (larger than fractional horsepower), synchronous condensers, and synchronous frequency changers, the descriptions make reference primarily to synchronous generators and synchronous motors. The tests described may be applied to motors and generators, as needed, and no attempt is made to partition this guide into clauses applying to motors and clauses applying to generators. It is not intended that this guide shall cover all possible tests or tests of a research nature, but only general methods that may be used to obtain performance data. The schedule of factory and field tests, which may be required on new equipment, is normally specified by applicable standards or by contract specifications. This guide should not be interpreted as requiring any specific test in a given transaction or implying any guarantee about specific performance indices or operating conditions.

The term specified conditions for tests as used in this guide will be considered as rated conditions unless otherwise agreed upon. Rated conditions apply usually to the quantities listed on the machine nameplate.

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: The standard will be updated to include any new test methods adopted by industry. Obsolete or irrelevant test methods will be removed. Corrections will be made to any error found in the document. Bibliography will be updated.

5.6 Stakeholders for the Standard: Manufacturers and users of synchronous machines, researchers and academic professional.

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): The standard will be updated to include any new test methods adopted by industry. Obsolete or irrelevant test methods will be removed. Corrections will be made to any error found in the document. Bibliography will be updated.