

P421.4

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Type of Project: Revision to IEEE Standard 421.4-2004

PAR Request Date: 31-Dec-2010

PAR Approval Date: 17-May-2011

PAR Expiration Date: 31-Dec-2015

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 421.4-2004

1.1 Project Number: P421.4

1.2 Type of Document: Guide

1.3 Life Cycle: Full Use

2.1 Title: Guide for the Preparation of Excitation System Specifications

Old Title: IEEE Guide for the Preparation of Excitation System Specifications

3.1 Working Group: ESCS - Preparation of Excitation System Specifications Working Group (PE/ED&PG/ESCS - WG 421.4)

Contact Information for Working Group Chair

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None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Energy Development & Power Generation (PE/ED&PG)

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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: 11/2011

4.3 Projected Completion Date for Submittal to RevCom: 10/2012

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

5.2 Scope: This guide provides the necessary material to the specification writer in order to prepare the specification for the procurement of an excitation system for a synchronous machine. The information presented in this guide is given in narrative form with the descriptions and functions of particular features that should be examined in preparing the specifications. This guide also identifies the most modernized industry functions as it pertains to preparing specifications for the procurement.

Old Scope: Application information is being provided to help specify excitation systems. Scope includes review of this document and revisions/additions based on updated information and equipment.

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

5.4 Purpose: The specific intent of this guide is to provide the user with guidelines and background

Old Purpose: The application information is being incorporated to give the user the guidelines and

data required to specify excitation systems. This guide will illustrate properly specified equipment used in specifying excitation systems. The benefit is to properly specify equipment that meets end user needs.

background data required to specify excitation systems. Updates based on modern equipment will be provided. The benefit it properly specified equipment that meets user needs.

5.5 Need for the Project: Provide added material to improved document

5.6 Stakeholders for the Standard: Electrical engineers in power plants involving all areas of generation

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):