

P525

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Type of Project: Revision to IEEE Standard 525-2007

PAR Request Date: 07-Feb-2011

PAR Approval Date: 31-Mar-2011

PAR Expiration Date: 31-Dec-2015

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 525-2007

1.1 Project Number: P525

1.2 Type of Document: Guide

1.3 Life Cycle: Full Use

2.1 Title: Guide for the Design and Installation of Cable Systems in Substations

Old Title: IEEE Guide for the Design and Installation of Cable Systems in Substations

3.1 Working Group: Working Group for Cable Systems in Substations (PE/SUB/WGD2)

Contact Information for Working Group Chair

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None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Substations (PE/SUB)

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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: 07/2014

4.3 Projected Completion Date for Submittal to RevCom: 02/2015

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

5.2 Scope: This document is a guide for the design, installation, and protection of insulated wire and cable systems in substations with the objective of minimizing cable failures and their consequences. High voltage (greater than 35 kV) cable systems are not covered in this guide.

Old Scope: This document is a guide for the design, installation, and protection of insulated wire and cable systems in substations with the objective of minimizing cable failures and their consequences. This guide is not an industry standard or a compliance standard.

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 provide guidance to the substation engineer in established practices for the application and installation of metallic and optical cables in electric power transmission and distribution substations with the objective of minimizing premature cable failures and their consequences. This guide emphasizes reliable electrical service and safety during the design life of the substation.

Old Purpose: The purpose of this guide is to provide guidance to the substation engineer in established practices for the application and installation of metallic and optical cables in electric power transmission and distribution substations with the objective of minimizing premature cable failures and their consequences. This guide emphasizes reliable electrical service and safety during the design life of the substation.

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5.5 Need for the Project: The standard was revised in 2007 to make it more useful to the user and to include a small substation example. This next revision will add a large substation example to illustrate more complex design issues and also will update the communications cable section to expand on more recent technology such as fiber optic cables. Enhancements and clarifications will also be made to other sections of this guide.

5.6 Stakeholders for the Standard: utility engineers, utility consultants, asset managers, and manufacturers

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):