

P1410

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Type of Project: Modify Existing Approved PAR

PAR Request Date: 15-Sep-2009

PAR Approval Date: 02-Nov-2009

PAR Expiration Date: 31-Dec-2011

Status: Modification to a Previously Approved PAR for the Revision of a Standard 1410-2004

Root PAR: P1410 **Approved on:** 27-Feb-2007

Project Record: 1410

1.1 Project Number: P1410

1.2 Type of Document: Guide

1.3 Life Cycle: Full Use

2.1 Title: Guide for Improving the Lightning Performance of Electric Power Overhead Distribution Lines

3.1 Working Group: Lightning Performance Working Group (PE/T&D/Lightning-PN10_WG)

Contact Information for Working Group Chair

Name: John Mcdaniel

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3.2 Sponsoring Society and Committee: IEEE Power & Energy Society/Transmission and Distribution (PE/T&D)

Contact Information for Sponsor Chair

Name: Thomas Grebe

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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: 09/2009

4.3 Projected Completion Date for Submittal to RevCom: 03/2010

5.1 Approximate number of people expected to be actively involved in the development of this project: 50

5.2 Scope: This guide will identify factors that contribute to lightning-caused faults on overhead distribution lines and suggest improvements to existing and new constructions. This guide is limited to the protection of distribution-line insulation for system voltages 69 kV and below. Equipment protection considerations are covered in IEEE Std C62.22.

Old Scope: This guide will identify factors that contribute to lightning-caused faults on overhead distribution lines and suggest improvements to existing and new constructions. This guide is limited to the protection of distribution-line insulation for system voltages 69 kV and below. Equipment protection considerations are covered in IEEE Std C62.22-1997.

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 present alternatives for reducing lightning-caused flashovers on overhead distribution lines.

5.5 Need for the Project: 5-year revision of standard. Adding additional reference to bibliography and updated the Induced Voltage portions due to recent research in that area.

5.6 Stakeholders for the Standard: Electric Utilities with Distribution Systems. Consultants for Electric Utilities.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: Yes

If yes please explain: Current Figure 2 is copyrighted by Vaisala. Vaisala provides a update to this figure along with copyright

permission with each revision.

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 International Activities

a. Adoption

Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

b. Joint Development

Is it the intent to develop this document jointly with another organization?: No

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

8.1 Additional Explanatory Notes (Item Number and Explanation): Modifying PAR to drop the year off of C66.22 in the Scope. C62.22 has been revised since this PAR was taken out.