P1695

Submitter Email: chuck.denardo@we-energies.com
Type of Project: Modify Existing Approved PAR
PAR Request Date: 19-Aug-2014
PAR Approval Date: 27-Oct-2014
PAR Expiration Date: 31-Dec-2014
Status: Modification to a Previously Approved PAR
Root PAR: P1695 **Approved on:** 30-Sep-2010

1.1 Project Number: P1695
1.2 Type of Document: Guide
1.3 Life Cycle: Full Use

2.1 Title: Guide to Understanding, Diagnosing and Mitigating Stray and Contact Voltage

Changes in title: ~~Trial-Use~~ Guide ~~for~~to ~~Assessing~~Understanding, ~~Voltages~~Diagnosing ~~at~~and ~~Publicly~~Mitigating Stray and ~~Privately~~Contact ~~Accessible~~Voltage~~Locations~~

3.1 Working Group: Working Group on voltages at publicly and privately accessible locations (PE/T&D/Dist-1695_WG)
Contact Information for Working Group Chair
Name: Charles DeNardo
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Phone: (414) 221-3073
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Name: James Bouford
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3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Transmission and Distribution (PE/T&D)
Contact Information for Sponsor Chair
Name: William Chisholm
Email Address: w.a.chisholm@ieee.org
Phone: 416 488 0724
Contact Information for Standards Representative
Name: Karl Mortensen
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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: 10/2014
4.3 Projected Completion Date for Submittal to RevCom: 05/2015

5.1 Approximate number of people expected to be actively involved in the development of this project: 50
5.2 Scope: This guide addresses the normal and abnormal voltages that exist at publicly and privately accessible locations as a result of the delivery and use of electrical energy. It focuses primarily on the presence of power frequency related voltages, and discusses definitions, causes, impacts, testing techniques, mitigation strategies, and hazard levels.

Changes in scope: This guide addresses the normal and abnormal voltages that exist at publicly and privately accessible locations as a result of the delivery and use of electrical energy~~(often referred to as stray voltage)~~. It focuses primarily on the presence of power frequency related voltages, and discusses definitions, causes, impacts, testing techniques, mitigation strategies, and hazard levels.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: There is presently no industry wide guide or standard that describes the variety of publicly and privately accessible voltages resulting from the delivery and use of electrical energy. This guide will provide information essential to an understanding of the topic and will enhance public safety.

Changes in purpose: There is presently no industry wide guide or standard that describes the variety of publicly and privately accessible voltages resulting from the delivery and use of electrical energy. This guide will ~~help~~provide ~~dispel~~information ~~misinformation~~essential ~~surrounding~~to ~~this~~an understanding of the topic and will enhance public safety.

5.5 Need for the Project: Publicly accessible voltages have been reported in the media over the past few years, including fatalities allegedly due to "stray voltage". This phenomena is undefined and no guide or standard exists to address this area of concern.

5.6 Stakeholders for the Standard: The stakeholders for this project include electric utilities, utility customers, state utility regulators, dairy industry, pool and spa industry, equipment manufacturers and other standards entities such as the National Electric Code.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: Yes
If yes please explain: Work done by the Electric Power Research Institute (EPRI) and the National Electric Energy Testing Research and Applications Center (NEETRAC) may be included in the document.

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

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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

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8.1 Additional Explanatory Notes (Item Number and Explanation): 1.3 - The working group voted to request a Life Cycle change from Trial Use to Full Service. The request is being made because there is presently an urgent need for a Stray and Contact Voltage Guide and making it Full Service will ensure life of the document beyond 2 years. It will also have the result of making the guide more credible in the eyes of those that use it.
2.1 The working group voted to request a change to the Title of the Guide. When originally named the terms stray and contact voltage could not be used because they were undefined and controversial. There are now accepted definitions and a growing consensus surrounding the issue. Changing the title now will reduce confusion and enhance the ability to disseminate this important information.
5.2 The parenthetical (often referred to as stray voltage) was removed from the scope because it is not necessary.
5.4 The term "dispel misinformation" was removed from the purpose and replaced with a more positive "provide information essential to an understanding of this topic".

Additional Note: This PAR modification request will be immediately followed by a request to extend the existing PAR.