P1695

Type of Project: Revision to IEEE Standard 1695-2016
Project Request Type: Initiation / Revision
PAR Request Date: 22 Jan 2018
PAR Approval Date: 08 Mar 2018
PAR Expiration Date: 31 Dec 2024
PAR Status: Active
Root Project: 1695-2016

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

2.1 Project Title: Guide to Understanding, Diagnosing, and Mitigating Stray and Contact Voltage
    Change to Title: ~~IEEE~~ Guide to Understanding, Diagnosing, and Mitigating Stray and Contact Voltage

3.1 Working Group: Stray and Contact Voltage Working Group(PE/T&D/Dist-1695_WG)
    3.1.1 Contact Information for Working Group Chair:
      Name: Matthew Norwalk
      Email Address: matthew.norwalk@sce.com
    3.1.2 Contact Information for Working Group Vice Chair:
      Name: Sal Martino
      Email Address: sal.martino@ieee.org
3.2 Society and Committee: IEEE Power and Energy Society/Transmission and Distribution(PE/T&D)
    3.2.1 Contact Information for Standards Committee Chair:
      Name: Surya Santoso
      Email Address: ssantoso@mail.utexas.edu
    3.2.2 Contact Information for Standards Committee Vice Chair:
      None
    3.2.3 Contact Information for Standards Representative:
      Name: Daniel Sabin
      Email Address: d.sabin@ieee.org

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot: Apr 2021
4.3 Projected Completion Date for Submittal to RevCom: Oct 2021

5.1 Approximate number of people expected to be actively involved in the development of this project: 25
5.2 Scope of proposed standard: This guide addresses voltages that exist at publicly and privately accessible locations as a result of the delivery and use of electrical energy. This guide is not intended for use as a statement of cause and effect. It focuses primarily on the presence of power frequency related voltages and discusses definitions, sources, testing techniques, and mitigation strategies.

5.3 Is the completion of this standard contingent upon the completion of another standard? No
5.4 Purpose: To provide information essential to an understanding of stray and contact voltage and its effects; and to discuss widely used investigative and mitigative strategies. The Guide will also help dispel misinformation surrounding this topic and enhance public safety.
Change to Purpose: ~~While~~ To ~~some~~ provide ~~jurisdictions~~ information ~~have~~ essential ~~implemented~~ to ~~local~~ an ~~rules~~ understanding ~~concerning~~ of stray and contact voltage ~~, there is presently no industry-wide guide or standard that describes the variety of publicly~~ and ~~privately accessible voltages~~ its ~~resulting from the delivery~~ effects; and ~~use of electrical energy. The purpose of this guide is~~ to ~~provide information~~ discuss ~~regarding~~ widely ~~the~~ used ~~potential for risk~~ investigative and ~~recommend actions~~ mitigative ~~taken in respect to the presence of either stray or contact voltage~~ strategies . ~~This~~ The ~~guide~~ Guide ~~is~~ will also ~~intended to~~ help dispel misinformation surrounding this topic and enhance public safety.
5.5 Need for the Project: Revision of the existing guide will add case studies, reorganize the contents for ease of use, add emerging topics and add improved graphics.
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.

6.1 Intellectual Property
6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?
Yes
Explanation: 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.
6.1.2 Is the Standards Committee 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 Is it the intent to develop this document jointly with another organization? No

8.1 Additional Explanatory Notes: