

P1854

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Type of Project: New IEEE Standard

PAR Request Date: 15-Nov-2011

PAR Approval Date: 06-Feb-2012

PAR Expiration Date: 31-Dec-2016

Status: PAR for a New IEEE Standard

1.1 Project Number: P1854

1.2 Type of Document: Guide

1.3 Life Cycle: Trial Use

2.1 Title: Guide for Smart Distribution Applications Guide

3.1 Working Group: Smart Distribution Working Group (PE/T&D/SDWG)

Contact Information for Working Group Chair

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Contact Information for Working Group Vice-Chair

None

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

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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: 12/2013

4.3 Projected Completion Date for Submittal to RevCom: 05/2014

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

5.2 Scope: This guide categorizes important smart distribution applications, develops descriptions of the critical functions involved, defines important components of these systems, and provides examples of the systems that can be considered as part of distribution management systems or other smart distribution systems.

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

5.4 Purpose: This document will not include a purpose clause.

5.5 Need for the Project: Many applications are being considered as part of smart distribution system development and distribution management systems. These applications can include advanced automation and SCADA systems for reliability improvement, outage management systems, fault location and fault management, voltage and var management systems, distributed resource and renewable generation integration, demand response systems, advanced protection systems, equipment diagnostics and asset management, real time simulation for system optimization, microgrids, and many others. Terminology and descriptions of these systems are not standardized which makes it difficult to develop specifications for these functions as part of planning and developing smart distribution systems. This guide will categorize important smart distribution applications, develop descriptions of the critical functions involved, define important components of these systems, and provide examples of the systems. The guide will be an important reference for distribution planners and designers and will be a living document that can expand and grow as technology and the applications change over time.

5.6 Stakeholders for the Standard: : Electric utilities, Electric utility equipment manufacturers, electric utilization equipment manufacturers, electric utility regulatory commissions

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?: Yes

Organization: Electric Power Research Institute, Inc. (EPRI)

Technical Committee Name: The Electric Power Research Institute will contribute to this Guide through their Smart Distribution

Technical Committee Number: P180

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8.1 Additional Explanatory Notes (Item Number and Explanation):