**Designation: P1547**

Sponsor: SCC21-Fuel Cells, Photovoltaics, Dispersed Generation, and Energy

Title: Standard for Interconnecting Distributed Resources with Electric Power Systems

Status: New Standard Project
Publication type: Special Publication
Technical Contact: Richard DeBlasio, Phone:303-275-4333,
Email:deblasid@tcplink.nrel.gov
History: PAR APP: Mar 18, 1999

Project scope: This standard establishes criteria and requirements for interconnection of distributed resources (DR) with electric power systems.

Project purpose: This document provides a uniform standard for interconnection of distributed resources with electric power systems. It provides requirements relevant to the performance, operation, testing, safety considerations, and maintenance of the interconnection.

**Designation: P1547.1 (Formerly designated as P1589)**

Sponsor: SCC21-Fuel Cells, Photovoltaics, Dispersed Generation, and Energy

Title: Standard for Conformance Tests Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems

Status: New Standard Project
Publication type: Special Publication
Technical Contact: James M Daley, Phone:973-966-2474, Email:jdaley@asco.com
History: PAR APP: Jun 14, 2001

Project scope: This standard specifies the type, production, and commissioning tests that shall be performed to demonstrate that the interconnection functions and equipment of a distributed resource (DR) conform to IEEE Standard P1547.

Project purpose: Interconnection equipment that connects distributed resources (DR) to an electric power system (EPS) must meet the requirements specified in IEEE Standard P1547. Standardized test procedures are necessary to establish and verify compliance with those requirements. These test procedures must provide both repeatable results, independent of test location, and flexibility to accommodate a variety of DR technologies.

**Designation: P1547.2 (Formerly designated as P1608)**

Sponsor: SCC21-Fuel Cells, Photovoltaics, Dispersed Generation, and Energy

Title: Application Guide for IEEE Standard 1547, Interconnecting Distributed Resources with Electric Power Systems

Status: New Standard Project
Publication type: Special Publication
Technical Contact: Thomas S Basso, Phone:303-275-3753,
Email:thomas_basso@nrel.gov
History: PAR APP: Dec 6, 2001

Project scope: This guide provides technical background and application details to support the understanding of IEEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems.

Project purpose: This document facilitates the use of IEEE 1547 by characterizing the various forms of distributed resource technologies and the associated interconnection issues. Additionally, the background and rationale of the technical requirements are discussed in terms of the operation of the distributed resource interconnection with the electric power system. Presented in the document are technical descriptions and schematics, applications guidance and interconnection examples to enhance the use of IEEE 1547.

**Designation: P1547.3 (Formerly designated as P1614)**

Sponsor: SCC21-Fuel Cells, Photovoltaics, Dispersed Generation, and Energy

Title: Guide For Monitoring, Information Exchange, and Control of Distributed Resources Interconnected With Electric Power Systems

Status: New Standard Project
Technical Contact: Frank Goodman, Phone:650-855-2872, Email:fgoodman@epri.com
History: PAR APP: Jun 13, 2002

Project scope: This document provides guidelines for monitoring, information exchange, and control for distributed resources (DR) interconnected with electric power systems (EPS).

Project purpose: This document facilitates the interoperability of a one or more distributed resources interconnected with electric power systems. It describes functionality, parameters and methodologies for monitoring, information exchange and control for the interconnected distributed resources with or associated with electric power systems. Distributed resources include systems in the areas of fuel cells, photovoltaics, wind turbines, microturbines, other distributed generators, and, distributed energy storage systems.