

IEEE IMPROVES POWER GRID PERFORMANCE WITH IEEE P1547.8 STANDARD

Draft standard provides common technical platform, addresses emerging energy storage challenges in distributed power generation, Smart Grid industries

IEEE, the world's leading professional association for the advancement of technology today announced IEEE P1547.8, a draft standard establishing a common technical platform for distributed resources interconnection applications. The proposed standard expands upon IEEE 1547, while incorporating industry and National Institute of Standards and Technology (NIST) recommendations for improved interconnection performance functionality. It also addresses energy storage challenges coming into play across the distributed resources and Smart Grid industries. Ratification of IEEE P1547.8, which is sponsored by the IEEE Standards Coordinating Committee 21 (SCC21), is targeted for calendar year 2012.

As a complement to the IEEE 1547 standard, IEEE P1547.8 establishes a common technical platform to address functionality for the interconnection of distributed resources across the power grid. The standard provides greater support for intermittent renewable energy sources, and more flexible use of inverters such as found in home solar power systems, enabling easier and more robust connections to the grid. It also addresses energy storage devices, hybrid generation-storage systems (ES-DER), and ES-DER aspects of plug-in electric vehicles (PEV), as well as taking into account a variety of industry-driven recommendations. IEEE P1547.8 is targeted to distributed resource owners, interconnection contractors, equipment manufacturers, system integrators, area electric power system owners, planners and operators, and regulatory agencies.

In August 2009, NIST established an initial set of priority actions plans (PAPs) for developing standards necessary to build an interoperable Smart Grid. IEEE P1547.8 will support NIST PAP07 Energy Storage Interconnection Guidelines.

IEEE has more than 100 standards and standards in development relevant to smart grid, including the over 20 IEEE standards named in the NIST Framework and Roadmap for Smart Grid Interoperability Standards.

For more information on IEEE P1547.8, please visit:

http://grouper.ieee.org/groups/scc21/1547.8/1547.8_index.html

For more information about IEEE's leadership role in Smart Grid technology development, please visit the IEEE Smart Grid Web Portal at:

<http://ieeestandards.org/ct.html?rtr=on&s=8nv,1e16q,2xny,c8zn,5dek,8934,5a7o>

To view the complete article, please visit: <http://standards.ieee.org/announcements/2010/P15478.html>