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IEEE-SA launches India smart grid standards project

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IEEE-SA launches the P2030, a draft guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation (EETI) with the Electric Power System (EPS) and End-Use Applications and Loads, in India.

Interoperability has been one of the key concerns in building a smart grid in India, like in many other regions of the world and the project aims to address this. IEEE-SA's India Standards Interest Group (SIG) announced in February 2011 will work closely with IEEE P2030 Working Group to introduce interoperability standards in India later this year, enabling faster implementation of the smart grid.

To enhance the technical breadth of IEEE-SA and its open standards development process, IEEE P2030 will provide a knowledge base for understanding and defining smart grid interoperability of the electric power system with end use applications and loads. It will involve the integration of energy technology and information and communications technologies to achieve seamless operation for electric generation, delivery, and end-use benefits that will permit two-way power flow with communication and control.

"The approval of IEEE P2030 represents a significant milestone for IEEE, the public, industry and Governments across countries, especially with the global focus on bringing intelligence and standardisation to the way energy is transmitted, distributed, managed and kept secure. And it strongly addresses the need to reduce energy transmission's carbon footprint.

India is among the most promising and growing smart grid markets in the world and we firmly believe that IEEE P2030 will define key elements of a modern, intelligent grid and accelerate progress in making smart grid a success in India," said Dick DeBlasio, chairman of IEEE-SA P2030 Working Group.

"IEEE P2030 will provide urgently needed guidelines for smart grid interoperability, building on the many technologies used in the electric power system and merging these with communication, monitoring, and analysis technologies and capabilities. Interconnection and intra-facing frameworks and strategies with design definitions are addressed in this standard, providing guidance in expanding the current knowledge base. This expanded knowledge base is a key element in grid architectural designs and operations and leads to a more reliable and flexible electric power system. The IEEE P2030 standards project will support the goal of the India Smart Grid Task Force to coordinate the development of interoperability standards, critical to achieve the Smart Grid vision in India," explained Srikanth Chandrasekaran, chairman of India SIG, IEEE-SA.