

# INTELLIGENT GRID SOLUTIONS



Market Intelligence Report

SMART GRID

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ZIGBEE Alliance	ZIGBEE and WI-FI ALLIANCES to collaborate on SMART GRID wireless networking	Mar 17, 2010	<a href="http://xurl.com/mercomzbi">http://xurl.com/mercomzbi</a>	Company News

## Zigbee and WiFi Alliances to Collaborate on Smart Grid Wireless Networking

The ZigBee® Alliance and the Wi-Fi Alliance® announced today an agreement to collaborate on wireless home area networks (HAN) for Smart Grid applications. The initial focus of the collaboration will be ZigBee Smart Energy 2.0, which is the next-generation energy management protocol for Smart Grid-enabled homes based on today's successful ZigBee Smart Energy Profile. The ZigBee Smart Energy 2.0 is expected to operate over Wi-Fi technology as a result of the collaboration.

The two organizations will identify opportunities to use ZigBee Smart Energy 2.0, capitalizing on the unique strengths and capabilities of their respective technologies. This will expand the utility of the HAN in the management of energy consuming or producing devices, a crucial part of Smart Grid efforts now underway. ZigBee Smart Energy 2.0 was selected last year by the U.S. Department of Energy and the National Institute of Standards and Technology (NIST) as an initial interoperable standard for HAN devices.

ZigBee Smart Energy was initially developed to operate over a standard ZigBee wireless network to support the needs of Smart Metering and Advanced Metering Infrastructure (AMI). ZigBee Smart Energy 2.0 has been designed to support other network technologies within the digital home, including HomePlug and now Wi-Fi. The low-power ZigBee standard is optimized to the needs of Wireless Sensor Networks by offering robust self organizing, self-healing mesh networking, scalability to very large networks, very low cost and complexity, and superlative battery life.

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Intelligent Grid Solutions, LLC  
6471 East Radcliff Avenue, Englewood, CO 80111  
[www.intelligentgridsolutions.com](http://www.intelligentgridsolutions.com) or [www.gridsrus.com](http://www.gridsrus.com)