# TI Demonstrates World’s First Android Development Platform Bringing ZigBee® and ZigBee RF4CE to Smartphones and Tablets

BARCELONA, Spain, /PRNewswire/ -- Texas Instruments Incorporated (TI) today showcased an Android 2.2 software development platform, designed to simplify the mobile device integration of the ZigBee® and ZigBee RF4CE protocol stacks. A first for the industry, mobile device manufacturers can now connect directly to the growing consumer electronics and smart home application markets.

Resulting use cases enable consumers to manage commands like smart TV and set-top-box (STB) remote control features or utility management through smartphones and tablets—driving flexibility for consumers while maximizing the usability of mobile devices. The IEEE 802.15.4 radio technology is recognized as one of today's top growing wireless protocols. RF4CE use alone in the consumer electronics industry is expected to jump from less than 10 million units in 2010 to 250-300 million units by 2015. Similarly, use of ZigBee connectivity in home automation solutions is expected to be in the 20-30 million units range by 2015, an approximate 35% year-over-year increase from the 2010.

"TI is the first to offer mobile device manufacturers the immense opportunity to connect today's more than 294 million smartphones and tablets to the anticipated 331 million devices in the home networking system - an opportunity that is expected to grow dramatically year-over-year. The simplified integration of ZigBee and ZigBee RF4CE connectivity offered by TI enables the logical control of everything from a digital video recorder to a complex home lighting solution, a compelling experience for consumers who want more functionality from their favorite mobile devices," said Volker Prueller, marketing manager for TI's Low-Power RF products.

Related demonstrations can be seen at Mobile World Congress 2011 (Booth 8A84, Hall 8). For more information on TI's RF4CE solutions, visit: www.ti.com/wbu_rf4ce_pr_lp And, for more information on TI's ZigBee solutions, visit: www.ti.com/wbu_rf4ce_pr_zigbeelp

ZigBee and ZigBee RF4CE mobile use cases driven by TI Utilizing an Android-based touch screen user interface that directly controls ZigBee-driven networking devices, example use cases developed on TI's OMAP™ 4 platform-based Blaze™ mobile development platform include: * TI's ZigBee RF4CE remote control, which enables an Android-based mobile device to control a PC-based media center. * TI's ZigBee Home Automation (HA) profile application, which enables an Android-based mobile device to control the color and dimming of LED lamps exemplifying a consumer lighting system. * TI's ZigBee Smart Energy (SE) power meter application, which enables a user to track energy usage and pricing status on their Android-based mobile device. TI's IEEE 802.15.4 radio solution for mobile development is based on

the company's CC2530 system-on-chip device, and supports ZigBee and ZigBee RF4CE applications. The solution operates in parallel with TI's WiLink™ 6.0 combo chip (WLAN 802.11a/b/g/n, Bluetooth technology and FM radio connectivity), as well as the WiLink 7.0 combo chip (WLAN 802.11a/b/g/n, Bluetooth and Bluetooth Low Energy technologies, GPS, and FM radio). Availability TI's Android software development platform for mobile ZigBee and ZigBee RF4CE applications will be available first quarter of 2011. Find out more about TI's wireless connectivity solutions: * TI's ZigBee CC2530 system-on-chip solution: www.ti.com/wbu_rf4ce_pr_pf * TI's ZigBee solutions: www.ti.com/wbu_rf4ce_pr_zigbeelp * TI's ZigBee RF4CE solutions: www.ti.com/wbu_rf4ce_pr_lp * TI's wireless connectivity solutions: www.ti.com/wirelessconnectivity * TI's wireless connectivity wiki: www.ti.com/connectivitywiki * TI E2E™ Low-Power RF community: www.ti.com/lprf-forum 1. Lisa Arrowsmith, "The World Market for Low-power Wireless" (IMS Research, December 2010) 13. 2. Ibid., 134. 3. Bill Morelli, "The Mobile Technologies Market Online Database" (IMS Research, February 2011) online. 4. Alex Green, "The World Market for home Networks & Residential Gateways" (IMS Research, August 2010) 8. About Texas Instruments Texas Instruments (NYSE: TXN) helps customers solve problems and develop new electronics that make the world smarter, healthier, safer, greener and more fun. A global semiconductor company, TI innovates through manufacturing, design and sales operations in more than 30 countries. For more information, go to http://www.ti.com/. Trademarks WiLink, OMAP and Blaze are trademarks of Texas Instruments Inc. All other registered trademarks and trademarks belong to their respective owners. SOURCE Texas Instruments Incorporated Posted 14 Feb 2011 1:55 AM by NewsCenter Products | Applications | Design Support | Sample & Buy TI Worldwide | About TI | Contact Us | Investor Relations | News Center | Corporate Citizenship | Careers | Tags | my.TI Login | All Searches | Site Map © Copyright 1995- 2009 Texas Instruments Incorporated. All rights reserved. Trademarks | Privacy Policy | Terms of Use Bottom of Form

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