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**ULTRA-WIDEBAND MOVES TOWARD WORLDWIDE ADOPTION**

*Momentum Builds Within Developer Community*

WIRELESS USB DEVELOPERS CONFERENCE, Tokyo, September 28, 2005 — The USB Implementers Forum (USB-IF) and the WiMedia Alliance have made significant strides toward securing Ultra-Wideband (UWB) as the preferred technology for personal area networks. The Certified Wireless USB technology, which is based on the WiMedia UWB Common Radio Platform, has secured an industry-leading presence for both technologies as a result of recent UWB regulatory proposals, new testing procedures and new product development.

The groups' current momentum is accelerated by the August 25 decision by Japan's Ministry of Internal Affairs and Communications (MIC) to establish a UWB emissions policy in Japan. The proposal intends to ensure coexistence with current broadcast systems and future services such as fourth generation (4G) systems residing in the 3.4 to 4.8 GHz band.

"The recent activity in Japan is a very positive step for the UWB industry," said Stephen R. Wood, president of the WiMedia Alliance. "The Japanese regulators have shown leadership in moving forward on this work."

Concurrent to the recent UWB success in Japan, both the USB-IF and WiMedia Alliance progressed in the development of products, specifications, and new testing procedures based on the Certified Wireless USB and WiMedia UWB MAC and PHY specifications. Among these recent developments is the opening of Intel's WiMedia UWB/Certified Wireless USB Interoperability Lab where initial testing of products based

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on the Certified Wireless USB and WiMedia Alliance technologies can be performed simultaneously to ensure interoperability. Additionally, Intel is developing a Wireless Host Controller Interface (WHCI) specification with support from experts in Certified Wireless USB technology and WiMedia's UWB platform. The specification will provide a standardized method for a PCI-based Certified Wireless USB host controller to communicate with a Certified Wireless USB host's software driver stack. The WHCI specification will enable the independent and parallel development of hardware host controllers and host software stacks and will allow hardware manufacturers to develop host controller products with the assurance that their products will be compatible with any WHCI-compliant host. It is expected to be publicly available in Q1 2006.

"All of these recent developments add up to positive momentum behind the WiMedia UWB Common Radio Platform. The USB-IF looks forward to continuing to work closely with WiMedia to make UWB a widely accepted international standard, leading to the rapid development of new products," said Jeff Ravencraft, president and chairman of the USB-IF.

### **First Developers Conference in Tokyo**

The Wireless USB Developers Conference takes place September 28-29 for the first time in the Asia-Pacific region and showcases the groups' joint momentum. With more than 230 attendees, the Tokyo-based conference provides engineers with detailed technical sessions on all aspects of the Certified Wireless USB specification. The conference also features an exhibit area where 16 USB-IF member companies including Agilent Technologies, Alereon, Denali Software, Ellisys, Intel, LeCroy, NEC, Philips Semiconductors, Realtek, Staccato Communications, Stonestreet One, Synopsys, Tektronix, Wipro Technologies and Wisair are showcasing the latest product developments based on the Certified Wireless USB specification.

The first Certified Wireless USB products are expected to be available in early 2006. The first implementations will be in the form of discrete silicon that is being introduced in a number of form factors such as add-in cards, external adapters, as well as embedded silicon modules for integrated solutions.

### **About Certified Wireless USB**

Certified Wireless USB is the first high-speed wireless personal interconnect technology combining the speed and security of wired Hi-Speed USB with the ease-of-use of wireless technology. Certified Wireless USB delivers the requirements for PC, CE, and mobile usage models while preserving and extending the investment in the existing USB infrastructure. It will provide backward compatibility and seamless legacy support through the definition of external adapters, which will help ensure quick proliferation. Certified Wireless USB is based on the WiMedia Alliance ultra-wideband common radio platform. It has been designed to coexist with the other upper-layer protocols built atop the WiMedia Architecture. It delivers a bandwidth of up to 480Mb/s at 3 meters and 110Mb/s at 10 meters. Certified Wireless USB will maintain the same scalable device performance and capability while also addressing new consumer electronics requirements.

The Wireless USB Promoter Group, consisting of seven companies—Agere Systems, Hewlett Packard, Intel, Microsoft, NEC, Philips Semiconductors and Samsung—defined the Certified Wireless USB specification with the support of more than 100 contributor members. The group has now transitioned the specification's management to the USB-IF, the supporting governing body of USB specifications. If a company intends to build and ship a product base upon the Certified Wireless USB specification and wants to obtain a license, it should become an adopter member of the specification. Download the adopter agreement by visiting: <http://www.usb.org/wusb/>.

### **About the WiMedia Alliance**

The WiMedia Alliance is a not-for-profit open industry association that promotes and enables the rapid adoption, regulation, standardization and multi-vendor interoperability of ultra wideband (UWB) worldwide. WiMedia-based UWB specifications have been architected and optimized for wireless personal-area networks delivering high-speed (480Mbps and beyond), low-power multimedia capabilities for the PC, CE, mobile and automotive market segments. Emphasizing peaceful coexistence with other wireless services, WiMedia's UWB common platform is designed to operate with application stacks developed by the 1394 Trade Association Wireless Working Group, the Wireless USB Promoter Group and the Bluetooth-SIG. WiMedia's board members include Alereon, HP, Intel, Kodak, Microsoft, Nokia, Philips, Samsung Electronics, Sony, STMicroelectronics, Staccato Communications, Texas Instruments and Wisair. For more information, please visit [www.wimedia.org](http://www.wimedia.org)

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