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NEC and ArrayComm Announce Collaboration on Enhanced WiMAX Solutions

NEC to work with ArrayComm's multi-antenna software

Tokyo, Japan and Oak Brook, Illinois, January 16, 2009 — NEC Corporation and ArrayComm LLC announced today a collaboration to develop new WiMAX products that include ArrayComm's A-MAS[TM] multi-antenna signal processing software.

The joint effort will deliver innovative WiMAX base station products beginning mid-2009. NEC's customers will benefit from best-in-class performance at an economical cost while maintaining full profile and standards compliance, including WiMAX Forum IO-MIMO and upcoming IO-Beamforming.

NEC is one of the world's leading wireless solution providers to premier mobile operators around the world. NEC's flexible PasoWings base station allows WiMAX users to connect seamlessly across wide area wireless networks, delivering full mobility and high quality of service. With the established PasoWings platform, NEC brings development, manufacturing, system integration, and field installation expertise into the joint effort.

ArrayComm's Multi-Antenna Signal Processing software, A-MAS[TM], provides a unique combination of MIMO[1] and adaptive interference cancellation that fundamentally enhances WiMAX economics with significant range, capacity, and throughput improvement. ArrayComm will contribute by jointly developing the PHY[2] software with integrated A-MAS[TM].

"The collaboration with ArrayComm, a global leading provider of MAS software solutions, is essential in enhancing NEC's WiMAX base station products, which offer improved radio network economics to mobile operators around the world," said K. Jay Miyahara, Chief Engineer, Mobile Network Operations Unit of NEC. "NEC is committed to continuously enhancing our base station performance by adopting ArrayComm's leading-edge MAS solutions in order to deliver differentiated wireless broadband experience through gains in coverage and data rates."

 "NEC's clear leadership, experience and leading edge PasoWings product line create a significant opportunity for both companies," said Bruce Duysen, President of ArrayComm. "Furthermore, NEC's modularized software and hardware development approach has made the integration of our A-MAS[TM] software very straightforward."

1. MIMO: MIMO (Multiple-Input and Multiple-Output) is a technology used to improve radio communication performance (extend cell coverage and increase throughput) by the use of multiple antennas at both the transmitter and receiver.

2. PHY: PHY is a common abbreviation for the physical layer of the OSI model. A PHY layer includes functions such as modulation/demodulation, encryption/decryption, timing-extraction/synchronization and interference cancellation.

About NEC Corporation

NEC Corporation is one of the world's leading providers of Internet, broadband network, and enterprise business solutions dedicated to meeting the specialized needs of a diversified global base of customers. NEC delivers tailored solutions in the key fields of computer, networking and electron devices, by integrating its technical strengths in IT and Networks, and by providing advanced semiconductor solutions through NEC Electronics Corporation. The NEC Group employs more than 150,000 people worldwide. For additional information, please visit the NEC website at: http://www.nec.com

About ArrayComm

ArrayComm LLC, a Ygomi company, is the leader in multi-antenna signal processing (MAS) software for wireless systems. ArrayComm's A-MAS™ software improves network economics and user experiences through gains in coverage, client data rates, and capacity for all wireless communications protocols, in base station, client device, or MIMO architectures. A-MAS™ implementations include WiMAX, PHS, GSM, and HC-SDMA networks and are operating in more than 300,000 commercial deployments today. For wireless equipment manufacturers, tapping ArrayComm's unmatched experience in MAS applications enables significant performance and time-to-market advantages while reducing development cost and technical risk. For more information, please visit www.arraycomm.com.

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