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Scalable Network Technologies and KKE To Develop QualNet Simulation Models for LTE/4G Cellular

– New model library will enable realistic evaluation and analysis of a LTE network in simulation software –

Los Angeles, CA (9 December 2010) -- SCALABLE Network Technologies, Inc. (SCALABLE), the leader in communications simulation technology, and Kozo Keikaku Engineering, Inc. (KKE), a provider of professional engineering solutions in Asia, announced that the two companies have partnered on the development of QualNet® high fidelity simulation models for Long Term Evolution (LTE) based on 3GPP Release 9 standards. The new model library will support the development community by enabling realistic pre-deployment evaluation of the LTE network in simulation software.

QualNet is the only modeling and simulation tool that can explore and analyze early-state device designs and application code in closed, virtual networks at real time speed or faster – at a scale of up to thousands of network nodes. SCALABLE has an extensive library of over 175 protocol models, including high fidelity models for UMTS and WiMAX, which use detailed WCDMA and OFDMA physical layer and MAC layer models.

The LTE simulation model will provide an end-to-end network simulation that models the various protocol stacks on the air interface (E-UTRA) and the core network (EPC) in high fidelity. The LTE models will be designed to support the needs of the entire LTE community, including: network design and capacity planning; protocol stack and parameter tuning; QoS improvements; LTE network and device interoperability with WiFi, UMTS and WiMAX networks; development and evaluation of proprietary algorithms for features not specified in standards (like handover, scheduling between eNodeB and mobiles); feature and performance R&D.

SCALABLE and KKE are inviting interested parties to participate as development advisors. Advisors will be able to contribute technical inputs in an open forum with the development team, will be provided with pre-release models for testing, and have an opportunity to provide feedback on results.

The LTE Library will be available to customers in 3 phases: Phase 1 in Jan 2011, Phase 2 in Jun 2011 and the complete version in Oct 2011. Source code of the LTE Library will also be available to customers for customization and development of new or non-standard features.

For more information on SCALABLE solutions, contact the company at info@scalable-networks.com or call +1.310.703.1335.

About SCALABLE Network Technologies

Based in Los Angeles, California, SCALABLE develops simulation software to model large, sophisticated communications networks and train personnel on cyber warfare. SCALABLE solutions enable network planners to design better comms, IT specialists to manage better comms, and users to better operate comms.

SCALABLE also provides custom software solutions and engineering support services to major aerospace and defense contractors, the US Department of Defense, mobile network operators, research agencies and universities around the world.

More information on the company is available at scalable-networks.com.

About Kozo Keikaku Engineering (KKE)

KKE was started as a structural engineering firm in 1959 and was the first Japanese company to use computers for practical structural design in architecture. KKE has built a successful business serving the telecommunications and manufacturing industries by leveraging cutting-edge technologies of computers and application development ideas that originated in construction industry.

Headquartered in Tokyo, KKE has 560 employees and annual revenues of more than $US100 million. More information on the company is available at http://www.kke.co.jp/en/.

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