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Updated Versions of QualNet and EXata
Modeling and Simulation Products Released

- New Features Focus on Underwater Communications Modeling and Improved LTE Model Capabilities -

Culver City, CA (21 November 2017) -- SCALABLE Network Technologies, Inc. (SCALABLE), a leader in wireless network design and optimization products, announced today the availability of QualNet 8.1 and EXata 6.1. The updated versions of SCALABLE's advanced network modeling and simulation tools offer an improved Graphical User Interface (GUI) scenario load and initialization times, as well as, enhancements to the existing LTE and Advanced Wireless model libraries. With this release we are now offering an Underwater Communications Networks (UCN) Model Library with PHY and MAC models for underwater acoustic and optical communications. The UCN Model will enable analysis of underwater network resiliency and self-healing performance, and provide communications visualization and communications system simulations**.**

"We are pleased to bring underwater communication modeling and simulation solutions to our customers," explains Jeff Weaver, PhD, Vice President of Engineering. "Each time SCALABLE releases new software updates, we aim to bring unique innovations and solutions to the marketplace and provide our military and commercial customers with the latest advances in technology to meet their individual goals."

New Functionality

The QualNet 8.1 and EXata 6.1 release contains new features and performance improvements. Significant enhancements include:

- New Underwater Communications Network Model Library with Acoustic PHY Model , Beer-Lambert Acoustic Pathloss Model , BELLHOP Acoustic Pathloss Model, Optical PHY Model , Thorp Acoustic Pathloss Model
- Enhanced VLAN Wizard
- Updated Wi-Fi enhancements to provide support for MU-MIMO modeling at the PHY layer
- New LTE-A model supports carrier aggregation with up to five component carriers in downlink and supports dynamic channel bandwidth at UE
- Enhanced support for multicast in 802.3 Ethernet

Availability

Both the QualNet 8.1 and EXata 6.1 network design and optimization tools are available now. They are supported on Microsoft Windows 7 and 10, and CentOS 6.6, 6.8 and 7.3 Red Hat Enterprise Linux 6.6, 6.8 and 7.3 and Ubuntu

14.04 and 16.04. The upgrades are available free of charge to all customers covered under a current software maintenance agreement via their online download page.

For more information on SCALABLE solutions, contact the company at info@scalable-networks.com or call +1.424.603.6361.

About SCALABLE Network Technologies

Based in Culver City, California, SCALABLE provides network design, modeling and analysis tools, cyber training and assessment solutions and engineering support services to commercial enterprises, government and defense agencies, research organizations and educational institutions around the world.

SCALABLE solutions integrate simulated virtual network models with physical hardware and applications, allowing users to reduce the time, cost and risks of developing, testing and deploying large, sophisticated wired and wireless networks and new communications equipment, and train personnel on cyber defense.

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

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