



EDX Wireless Introduces SignalRT RF Planning Tool for PTC Deployment

EDX Wireless releases SignalRT 2.0, an advanced RF planning module for the design of Positive Train Control wireless networks.

Eugene, OR –February 22, 2011– EDX Wireless, a recognized leader for RF planning tools, today announced EDX® SignalRT™, a flexible RF planning solution that incorporates advanced route-based studies specifically designed for planning PTC (Positive Train Control) wireless networks, yet with broad application to other route-based transportation wireless network applications.

“The needs of an efficient Rail PTC system differ greatly from standard wireless solutions and require a different approach to planning and optimizing,” says Steve Webster, director of product management at EDX. “EDX has worked closely with the rail and transportation communities to define SignalRT, which is based on the extensive capabilities of our SignalPro suite of RF tools. We are very pleased to bring this unique and innovative industry specific product to market.”

PTC RF links are designed primarily for communication and control along a rail line, making the radio coverage and interference off the tracks less relevant to PTC operation. The EDX SignalRT Network Design Module incorporates several innovations in RF planning which simplify and improve the design and planning of RF networks for PTC systems. Based on the latest version of EDX SignalPro® suite of RF planning tools, SignalRT concentrates calculations along the rail lines creating a high-resolution study that can be run more efficiently and quickly

than a comparable study using conventional planning tools. The result is a more accurate representation of the interference, coverage and quality of RF service along the route of interest. In addition, EDX's highly efficient implementation permits "what-if" scenarios to be rapidly analyzed and simplifies the comparison of various architectures and vendor equipment and their effect on overall performance. The focus on the specific rail route, rather than an area study, translates into higher performance, greater reliability and lower equipment costs.

SignalRT also includes the EDX Clutter Carving™ algorithm. Clutter Carving allows the use of easily obtainable digitized street data as a "cookie cutter" to carve street canyons out of low resolution clutter data files. The user specifies the widths of the street canyons which are then carved from the clutter. Suited to both planning and deployment phases, Clutter Carving allows the use of low cost, low resolution clutter data while still giving accurate propagation predictions from antennas that are mounted above Rights of Way but which are below the average surrounding clutter height. The benefit is that a user can employ freely available data that better represents the propagation environment, thereby improving accuracy while lowering design cost.

SignalRT also enjoys broad application to any transportation related RF network where the same considerations of coverage and quality along a defined route, rather than an area, are important and where implementation costs and time to market are factors.

About EDX Wireless LLC

Headquartered in Eugene, Oregon, EDX Wireless develops wireless Radio Frequency (RF) planning, performance visualization and design software. It offers some of the industries most widely used engineering software tools for planning and designing wireless communications networks. These products support a growing range of standards including

wireless broadband, [WiMAX](#), LTE, [Wi-Fi](#), public safety, and many other mobile wireless technologies.

Since 1985, EDX customers have relied on SignalPro[®], the flexible and comprehensive suite of RF planning tools for designing wireless communications networks, including transportation, wireless broadband, WiMAX, LTE, Wi-Fi, public safety, and other mobile wireless systems. The result of over 25 years of development effort, SignalPro is used by thousands of engineers in over 60 countries and is the tool of choice for designing accurate, reliable and scalable RF networks, worldwide. For more information, visit www.edx.com.

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