Press Release
from CRL Sweden

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First OEM mesh driver for Third generation Mesh technology

Specialist of Mesh Software Technology for Wireless Networks is releasing a new ground breaking OEM Mesh software driver *C-CORE 2.0*. CRL Sweden delivers zero configuration Multi-Radio Multi Channel And true Multicast support as OEM software drivers and firmware. Additional extension features of *C-CORE 2.0* offers Mesh drivers and integration services of IP communication software even over Non-IP packet radios.

- "We are thrilled to offer this new big technology upgrade to the wireless market and position CRL Sweden as a technical leader of mesh drivers. The *C-CORE 2.0* enables completely new opportunities for our customer's world wide to create mesh enabled products of higher bandwidth and capacity with lesser configuration. On top of that we also added and integrated full Multicast support for all those demanding audio /video applications we see of today's wireless applications" said Björn Karlsson, Managing Director

Mesh Communication to a new Level

Leading edge Mesh Technology from CRL Sweden is being used by Wireless Equipment Manufacturers, System Integrators and Solutions providers' world wide. They put our Mesh Technology to work for endless purposes and applications including Broadband Networks, Telematics, Logistics, Mining and Military Applications. *C-CORE* Mesh driver can be utilized for single-, dual-, tri- and multi-radio wireless mesh solutions. C-CORE mesh drivers are radio agnostic working at the IP layer and by default the drivers work with for example most types of WLAN 802.11a/b/g/n radios of 900MHz, 2.4G/3.5/ 5GHz and other IP packet based radios.

Multi-Channel Multi-Radio (MCMR)

Equipping nodes with multiple wireless interfaces/radios is a cost-effective way to significantly increase the overall throughput and capacity in a wireless network. Once deployed, the nodes dynamically and autonomously choose of available channels/frequencies aiming to diversify frequency usage, consequently maximizing the networks performance.

» Support for multiple wireless mesh backhaul radios per node
» Increased throughput in single-hop and multi-hop networks

» Negligible overhead for channel management

» Support for Roaming Nodes using a Single Network Card

» Suitable for both static and dynamic mobile networks

With C-CORE 2.0 you are one step ahead of any competitor in multi radio support. Most of those few product vendors offering third generation Mesh technology today actually need three radios to support dual Mesh backhaul. Two radios make the Mesh backhaul, and at third radio are used for automatic channel allocation. The *C-CORE 2.0* mesh driver does the same by using only two mesh backhaul radios, with no impact on the network bandwidth. If adding for instance a third radio for Mesh backhaul, well then you will just get another almost 50% bandwidth increase.

Multicast

C-CORE 2.0 supports Single-Source Multicast within the Mesh Network as specified by using the designated multicast address space specified by standard RFC3171.

By its modular design, the Multicast Support is also available with Multi-Channel Multi-Radio Operation with channel switching and the use of multiple frequencies where adjacent multicast subscribers may be using different frequencies.

» Suitable for real time applications with minimal latency and highest QoS

» Fully compatible with Multi-Channel Multi-Radio (MCMR)

» Provides higher quality video and audio streaming due to single stream from source

About CRL Sweden

CRL Sweden is a global leader in the development of OEM software platforms and services for Wireless Communications with Mesh Technology combined with expertise in system development, customization and integration. CRL Sweden offers customer optimized communication software platforms for wireless networking with services for custom-made development and integration of networking applications including urban broadband networks, Telematics, Logistics, Mining, Heavy industry environments, and Telemetry amongst the others.

CRL Sweden began its journey in 2004 as an incubator of Kalmar Science Park at Kalmar. Today it possesses a world leading mesh software development research team with a full portfolio of high-end mesh drivers and firmware. In April 2008, CRL was recognised as one of the four of Sweden's most promising new technology companies in "Metro Tech Challenge", a tough and eminent competition. For more information, log onto **www.CRLSweden.com**

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