Aviat Networks Enhances Migration Capability for Seamless TDM to IP Backhaul Evolution

Introduces Fully Integrated Cell Site Gateway Features for Eclipse(TM) Packet Node

BARCELONA, Spain, Feb 15, 2010 /PRNewswire via COMTEX News Network/ -- Aviat Networks, (Nasdaq: AVNW) the wireless expert in advanced IP network migration, today announced a major new enhancement to their market leading Eclipse(TM) Packet Node wireless backhaul solution. The enhancement introduces cell site gateway functionality normally provided by an external device, and takes a major step forward for mobile operators seeking innovative integrated solutions for the seamless migration of their legacy all-TDM backhaul networks to all-IP network infrastructure needed to support the expected demands of HSPA+ and LTE. This new capability will be introduced at the Mobile World Conference exhibition in Barcelona, Spain.

The cell site gateway features are enabled on the Eclipse Packet Node platform by a new plug-and-play Network Convergence Module (NCM), designed to fit in the Eclipse nodal indoor unit, providing full backwards compatibility with all Eclipse Packet Node and standard Eclipse systems installed in operator networks worldwide. Eclipse Packet Node, introduced at Mobile World Congress in 2009, currently provides the most comprehensive support for hybrid transport of native TDM and native high speed Ethernet/IP traffic, with the ability to seamlessly scale to over 2 Gbit/s of pure all-IP wireless transport to meet the needs of future LTE networks, in an extremely flexible, compact and cost effective nodal architecture.

The NCM adds the ability to simultaneously support TDM over Ethernet/IP, using Pseudowire emulation for both TDM (Abis) and ATM (IuB) traffic, thus giving operators the choice to support legacy TDM traffic over an all packet backhaul network, as an alternative to transporting TDM natively using a hybrid configuration. Operators now have a low risk solution that enables them to deploy either a native or packet-based TDM transport solution within their network, where and when it makes sense according to their own needs. The integrated Pseudowire feature works in concert with the Eclipse Packet Node unique Distributed Sync(TM) capability, to ensure reliable timing of the TDM over packet transport without external or packet-based timing sources.

Many mobile operators also want to leverage existing TDM links (microwave or leased lines) to support IP-based traffic for newly installed eNodeB's, so the NCM will also support IP over ML-PPP (Multi-Link Point to Point Protocol) according to IETF RFC1990. The ability to terminate the ML-PPP tunnels within the NCM will enable Eclipse packet Node to interface directly to these legacy links, extract and then transport the IP base station traffic over an all-IP wireless backhaul network, without the need for external routers to save on network cost and complexity.

"With the introduction of this new NCM module Eclipse Packet Node now supports the most comprehensive and unique migration features of any wireless backhaul product on the market today," said Paul Kennard, Sr. Vice President and Chief Technical Officer at Aviat Networks. "No other wireless solution offers the same choice for operators to support their legacy TDM backhaul traffic, which will remain significant for some time to come."

"Other vendor solutions are either IP-only, with no native TDM support options, or rely on external devices to provide Pseudowire functionality," he continued. "Eclipse packet Node now supports fully integrated Pseudowires and ML-PPP termination, along with the most comprehensive hybrid and all-IP wireless transport functionality all in one box, to save operators significant costs related to the deployment of separate routers or site gateways."

Aviat Networks will be present at Mobile World Congress in Barcelona, Spain, located in Hall 2, Booth #2F27.

About Aviat Networks

Aviat Networks, Inc. (Nasdaq: AVNW), previously known as Harris Stratex Networks, Inc., is the wireless expert in advanced IP network migration, building the foundation for the 4G/LTE broadband future. We offer best-of-breed transformational wireless solutions, including LTE-ready microwave backhaul, WiMAX access and a complete portfolio of essential service options that enable wireless public and private telecommunications operators to deliver advanced data, voice, video and mobility services around the world. Aviat is agile and adaptive and anticipates what's coming to help our customers make the right choices. Our products and services are designed for flexible evolution, no matter what the future brings. With global reach and local presence on the ground, we work by the side of our customers allowing them to quickly and cost effectively seize new market and service opportunities while managing migration towards an all-IP future. For more information, please visit

www.aviatnetworks.com or join the dialogue at www.twitter.com/aviatnetworks.

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