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**HATTERAS NETWORKS' HN600 SERIES AND REVOLUTIONARY  
PSEUDOWIRE-PLUS CAPABILITY ENABLES ETHERNET SERVICE  
DELIVERY FOR ALL MOBILE WIRELESS TOWERS**

HN600 Series enables substantially wider rollout of next-generation mobile broadband services by mobile wireless service providers worldwide as 75% of mobile wireless communications towers have access to only copper connections

**RESEARCH TRIANGLE PARK, NC, OCTOBER 12, 2009** – Hatteras Networks, the global leader in multi-service Ethernet solutions for enterprise access services and next-generation mobile backhaul, announced today its expanded mobile backhaul solution based on the new HN600 Series and revolutionary, patented PWE3-*plus* capability. PWE3-*plus* uniquely enables simultaneous transport of native Time Division Multiplexing (TDM) and native Ethernet traffic over copper with embedded network timing, and the HN600 delivers 10 times more bandwidth at one-tenth the cost of legacy technologies for mobile backhaul. The combination of these capabilities allows immediate rollout of next-generation mobile broadband services to substantially more cell towers worldwide; today high-speed broadband services are limited to the limited number of cell towers connected via fiber or microwave.

The Hatteras Networks mobile backhaul solution provides high-performance, reliable and cost-effective transport across existing copper infrastructure between the HN600 Series at mobile communications towers and Hatteras Networks' new HN6100 platform in exchange centers. Mobile backhaul is one of several valuable and much-needed carrier applications supported by Hatteras Networks' modular, multi-service HN6100, which is being announced separately today.

“Successfully providing increased bandwidth and low latencies to mobile users utilizing the Faroese Telecom network has been a difficult task given the inherent cost of upgrading our mobile backhaul infrastructure,” said Dan Olsen, Manager Transmission Networks at Faroese Telecom. “We are committed to providing highly reliable, efficient and cost-effective communications services, and we can quickly and easily extend the benefits of Ethernet to more customers without the cost of installing fiber thanks to our partnership with Hatteras Networks.”

Unlike traditional PWE3, which suffers from the delay, jitter and timing impacts of packetization, Hatteras Networks' PWE3-*plus* perfectly emulates a T1 and precisely passes timing synchronization information. Furthermore, with the Hatteras Networks mobile backhaul solution, carriers simply Turn-the-Dial™ to adjust to any mix of TDM and Ethernet services, to be simultaneously transported unaltered in their native format. In the case of voice services, PWE3-*plus* spreads and prioritizes voice timeslots across bonded copper pairs, dynamically reassigning remaining bandwidth to augment allocated data-traffic capacity. Ethernet traffic never interferes with TDM traffic.

Consequently, the call quality delivered via a native TDM service transported between the HN6100 and HN600 Series is indistinguishable from services transported via traditional T1/E1. All of the flexible bandwidth scaling and cost advantages of Ethernet can be realized in copper-based mobile backhaul without compromising the timing and voice-quality benefits of traditional T1/E1. PWE3-*plus* supports any of the critical TDM service parameters (wander, jitter, latency or synchronization, for example) and at the same time any state-of-the-art Ethernet service. In this way, the HN600 Series allows migration to 3G and 4G base stations over time, even where the connections to cell towers are copper; mobile backhaul networks can be transitioned gradually and seamlessly from TDM to Ethernet.

Hatteras Networks' new mobile backhaul solution compares favorably against every other technology option available. Mobile backhaul networks can be scaled more flexibly via PWE3-*plus* than is possible with T1/E1s or Digital Subscriber Line (DSL) and more cost-effectively than is possible via deployment of fiber or microwave. And PWE3-*plus* delivers the T1/E1-degree of line quality and reliability that pseudowire cannot meet, while supporting an operator's seamless, gradual and profitable transition to an all-Ethernet radio access network (RAN).

“Existing backhaul technologies have hindered the profitability of carriers around the world despite the phenomenal growth in demand for mobile broadband services. Our new HN600 Series with PWE3-*plus* transforms the equation, enabling mobile network operators to cost-effectively scale and harvest significant new revenues from existing infrastructure,” said Kevin Sheehan, CEO of Hatteras Networks. “We have engineered an innovative, purpose-built mobile backhaul solution that conveys the best of both Ethernet and TDM transport and delivers resilient, low-latency, scalable access to the mobile wireless tower today and moving forward.”

The HN600 Series with PWE3-*plus* is available today.

### **About Hatteras Networks**

Hatteras Networks is redefining the way carriers think about Ethernet services. Hatteras Networks' Ethernet service delivery solutions are leading service providers worldwide to a significant expansion of the Metro Ethernet market, which had previously been limited by legacy technologies in the access network. Now service providers are empowered to cost-effectively offer 100 Mbps Ethernet services over existing facilities, enabling

businesses to migrate from legacy networks to transparent Ethernet services for voice and data business connectivity, infrastructure backhaul and mobile wireless backhaul solutions.

Already deployed on five continents, Hatteras Networks' Ethernet solutions are enabling a market expansion for carriers that is as significant for business services as "triple play" is for residential. For more information, visit [www.hatterasnetworks.com](http://www.hatterasnetworks.com).

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