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Pulsecom Extends Carrier Ethernet 2.0 Product Family with Ethernet NID

HERNDON, VIRGINIA November 5, 2012. --- Pulsecom, a Subsidiary of Hubbell Incorporated (NYSE: HUBA, HUBB; 2011 revenue: $2.9B), announces a further expansion of its Carrier Ethernet access family with release of the SuperG NID, a CE 2.0 Ethernet NID purpose built to exceed rigorous Tier 1 Service Provider criteria and deliver managed, cost-effective carrier-to-carrier global services.

“We specifically wanted to design a Carrier Ethernet NID that could scale to support the number of services required by Tier 1 Service Providers”, says Marco Mascitto, Pulsecom Business Development. “Many Carrier Ethernet NIDs on the market claim to be suitable for deployment by Tier 1 Operators, but they really don’t scale to support the number of EVCs required, and are limited by SOAM functions implemented in software. Our hardware-based Y.1731 implementation ensures Service Providers can generate sufficient SOAM PDUs in order to accurately report the Frame Delay (FD), Inter-Frame Delay Variation (IFDV), and Frame Loss (FL) for each CoS-instance being monitored. Hardware-based implementations are essential for sub-50ms protection switching based on ETH-CC as well.”

The Carrier Ethernet 2.0 ready SuperG NID supports eight QoS queues per port, multiple VLAN tag manipulation functions, per-port and per-EVC statistics, dual token bucket policers, port shapers, and various protection schemes including spanning tree, LAG, ITU-T G.8031 and G.8032, with secured management plane access from the NetPulse Element Management System (EMS). All these features come in a half-rack, fanless, NEBS certified package at a price point that allows for cost-effective Mobile Backhaul.

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"As Ethernet gets pushed out to smaller and smaller cell sites, the critical need for accurate clock distribution doesn't change," says Dave Corp, Pulsecom Engineering and Marketing. "The SuperG NID supports frequency distribution to cell site equipment through ITU-T G.8262 compliant SyncE PHYs, IEEE 1588 PTP compliant with the ITU-T G.8265.1 Telecom Profile and state-of-the-art adaptive timing to make our solution ideal for the next challenges facing Mobile Backhaul. Equally important, the SuperG family includes a unique DS1 CES architecture to eliminate QoS concerns for efficient multi-carrier and E911 aggregation. Versions certified to GR-3108 Class 1, Class 3 and Class 4 environmental conditions are available."

The SuperG NID can be used to generate Y.1564 Service Activation Tests to verify circuits for correct Bandwidth Profile enforcement and for conformance to SLA parameters prior to handing over circuits to subscribers. This is an essential tool to ensure that EVCs are setup properly and avoids subsequent truck-rolls to the subscriber's site.

"Pulsecom is now setting their sights on solving some of the unique issues associated with Small Cell RAN architectures," Marco continues. "This is an emerging market that Pulsecom is perfectly positioned to address with decades of OSP experience."

The SuperG NID is proudly designed and manufactured in the United States by Pulsecom, an ISO9001:2008 and TL9000 certified company. For more information on the SuperG family of products, visit Pulsecom at www.pulse.com.

About Pulsecom:

Established in 1963, Pulsecom became a subsidiary of Hubbell Incorporated (NYSE: HUBA, HUBB) ten years later and today over 10,000,000 Pulsecom voice and data circuits have been shipped to the public network. As the network evolves from SONET to Ethernet, Pulsecom's mission remains the same: lower the cost of high bandwidth services by leveraging existing public network infrastructure, minimizing provisioning requirements, simplifying testing and troubleshooting and accelerating service delivery.

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