TeliaSonera International Carrier and Coriant in successful Pan-European field trial with optical transmission speeds up to 400G

STOCKHOLM and NAPERVILLE – TeliaSonera International Carrier (TSIC) and Coriant, a global vendor of SDN-enabled end-to-end transport networking solutions, today announced the successful completion of a field trial demonstrating innovative flexi-rate technology that supports the dynamic and cost-efficient provisioning of optical transmission speeds up to 400G per channel based on application-specific bit rate, reach, and modulation requirements.

“Staying ahead of the customers ever increasing connectivity needs are paramount for us. This 400G field trial is all about ensuring the flexibility at all layers of the network, and especially in the underlying high-capacity transport infrastructure required for delivering the best high performance connectivity for our customers and their end-users,” said Mattias Fridström, Vice President and Head of Technology, TeliaSonera International Carrier.

Conducted over multiple spans across a 1,634 kilometer fiber optic route between Paris, Luxembourg, and Frankfurt, the TSIC field trial featured the successful transmission of three different software-programmable modulation formats – QPSK, 8QAM, and 16QAM – over the complete distance of 1,634 kilometers each. The trial also featured a variety of line-side transmission speeds (100G, 200G, 300G, 400G) in a mix of capacity and reach application test scenarios. The link represented a popular network scenario, being based purely on Standard Single-Mode Fiber (SSMF) and EDFA-only amplification.

“This trial represents an industry-first demonstration of cutting-edge flexi-rate technology that promises to significantly advance the state of optical layer flexibility,” said Tarcisio Ribeiro, Executive Vice President, Global Sales and Services, Coriant.

The trial was implemented on TSIC’s existing Coriant® hiT 7300 Multi-Haul Transport Platforms. The 400G flexi-rate trial used new Coriant CloudWave™ Optics, a versatile suite of software-programmable photonic layer technologies that brings a new level of flexibility, efficiency, and scalability to next-generation optical transmission networks.

About TeliaSonera International Carrier:
TeliaSonera International Carrier owns and operates one of the world’s most extensive fiber backbones. Our mission is to provide exceptional network infrastructure and services – empowering individuals, businesses and societies to execute their most critical activities. By working close to our customers, we make big ideas happen at the speed of fiber. Discover more at www.teliasoneraic.com or contact us at twitter @TeliasoneraIC.

About Coriant
Coriant delivers innovative, dynamic networking solutions for a fast-changing business world. The Coriant portfolio of SDN-enabled, edge-to-core transport solutions enables network operators to reduce operational complexity, improve utilization of multi-layer network resources, and create new revenue opportunities. Coriant serves leading network operators around the world, including mobile and fixed line service providers, content providers, data center operators, cable MSOs, large enterprises, government agencies, financial institutions, and utility companies. With a distinguished heritage of technology innovation and service excellence, forged by over 35 years of experience and expertise in Tier 1 carrier networks, Coriant is helping its global customers maximize the value of their network infrastructure as demand for bandwidth explodes and the communications needs of businesses and consumers continue to evolve. Learn more at www.coriant.com.

Media Inquiries:

TeliaSonera International Carrier
Charlotte Züger, Head of Communications, +46703200383
charlotte.zuger@teliasonera.com.
Coriant
Scott Larson, Coriant, +1 978 250 3433
scott.larson@coriant.com

Charlie Crockwell / Passion Hemphill, MW, +44 (0) 203 725 2328 and +1 312 9818541
coriant@mww.com