

Pacnet and Infinera announced the completion of a collaborative effort demonstrating the successful transmission of more than 3 Tb/s of capacity over 4,500 km of Pacnet's C2C network. This marks another demonstration that highlights Infinera's application to Ultra-Long Haul subsea super-channels based on Infinera's 500 Gb/s Photonic Integrated Circuit technology.

The testing was conducted with Infinera's DTN-X platform, which has begun shipping this quarter and also demonstrated the ability to use FlexCoherent technology to software select the modulation format in order to optimize fiber capacity and reach.

Pacnet owns and operates the leading pan-Asian submarine cable network touching 21 cable landing stations and extends from India to the U.S. At the heart of this network is EAC-C2C, Asia's leading state-of-the-art fiber optic submarine cable network, which spans 36,800 km and serves customers globally.

"We are impressed with Infinera's DTN-X platform delivering 500 Gb/s FlexCoherent super-channels and integrated OTN switching without compromise," said Bill Barney, Pacnet CEO. "Pacnet is dedicated to offering our customers leading-edge communications services across the Pacific Rim. We accomplish this by collaborating with one of the industry's most innovative suppliers enabling us to build technologically advanced networks globally. This successful test with Infinera demonstrates that Pacnet's network can scale up with the industry's latest high speed optical technologies to deliver faster services to our customers."

"Long-haul capable 500Gb/s super-channels are critical for carrier networks, especially in submarine applications such as Pacnet," said Tom Fallon, Infinera CEO. "In fact, the real value of Infinera's DTN-X goes well beyond its sheer size and bandwidth efficiency. The true value is its ability to future proof our customer's most valuable asset, their fiber infrastructure, so they can continue to flexibly grow their network to accommodate wherever their customer demand takes them."

Infinera is a pioneer in the field of super-channels embedded with FlexCoherent technology, and the first to demonstrate super-channels based on 500 Gb/s photonic integrated circuits (PICs). A super-channel is a large unit of optical capacity created by combining multiple optical carriers into a single managed entity, so that optical networks can scale capacity without scaling

operational cost and complexity. Super-channels based on PICs enable operators to simply provision 500 Gb/s of capacity with a single operational maneuver; FlexCoherent technology allows operators to optimize transmission performance across a range of applications using multiple software-programmable modulation formats. The DTN-X also boasts integrated OTN switching without compromise and married with an automated GMPLS control plane delivers Bandwidth Virtualization which ensures that optical channels are efficiently utilized and enables service providers to rapidly deploy new services.

The Infinera product portfolio also includes the DTN platform designed for submarine and terrestrial networks, powered by 100 Gb/s PICs and designed to scale up to 6.4 Tb/s of transmission capacity per fiber; the Infinera ATN, a scalable metro WDM transport platform; and Infinera Managed Services for global service and support.