# Infinera's New Time-based Instant Bandwidth Technology Recovers AJC Submarine Network Outage

**Sunnyvale, Calif. – *Aug 24, 2015* –** Infinera, provider of Intelligent Transport Networks, announced the rapid recovery of network capacity on the submarine optical fiber cable connecting Australia, Guam and Japan, managed by Australia Japan Cable (AJC). AJC recently experienced a network path failure following a subsea cable fault in 7,000 meters to 8,000 meters water depth.

The Infinera team and AJC rerouted over 400 gigabit per second (Gb/s) of traffic from the impacted AJC section to alternate paths on the AJC optical fiber ring configuration. The rerouting utilized the capabilities of the Infinera DTN-X platform featuring Infinera's new on-demand Time-based Instant Bandwidth™ technology. The rerouting of the lost traffic was able to commence within minutes after receipt by AJC of the Time-based Instant Bandwidth license. This avoided a route outage while the cable repair ship was mobilized, transited to the repair site, and implemented in the challenging deep water repair.

AJC is a private submarine cable network and operates a 12,700 km link from Sydney to Tokyo via Guam. AJC experienced a subsea fault affecting services operating on the optical fiber route between Maruyama, Japan and Tumon Bay, Guam, including services on the Infinera DTN-X and other vendor platforms. Using Infinera's new Time-based Instant Bandwidth technology, AJC in collaboration with Infinera was able to quickly respond by activating network capacity over an alternate route consisting of one terrestrial and two subsea AJC segments to recover over 400 Gb/s of affected traffic. With this new technology, AJC was able to activate new capacity on an alternate AJC route because of the systems unique ring-based architecture and recover all of the traffic being carried via Infinera equipment.

An expansion of Infinera's Instant Bandwidth, which allows permanent software activation of line-side bandwidth in 25, 50 or 100 Gb/s increments depending on the application, Time-based Instant Bandwidth, enables the on demand activation of bandwidth in those increments for specified durations of time, with the deactivation of the line-side bandwidth at the end of the time period. The Instant Bandwidth technology takes advantage of pre-deployed optical network capacity enabled by Infinera's photonic integrated circuit (PIC) super-channel technology on the DTN-X platform.

"AJC's top priority is ensuring maximum availability in network services for our customers," said David Crofts, AJC CEO. "Our partnership with Infinera underscores Infinera's incredibly rapid response but also highlights the value of operating a network based on PIC technology, the DTN-X and Infinera's unique Time-based Instant Bandwidth capability, which enabled us to deploy software activated bandwidth incrementally in a very short period of time."

"We are pleased to continue our successful partnership with AJC," said Lonny Orona, executive vice president for customer support at Infinera. "Customer satisfaction is of utmost importance to us and we are committed to help in any way possible so they can, in turn, fully meet their customers' needs. Both the AJC and Infinera teams worked jointly with urgency to recover network capacity, minimizing disruption to the AJC network and services."

AJC deployed the Infinera DTN-X platform to deliver up to five terabits per second of non-blocking optical transport network capacity with 500 Gb/s super-channels. The high capacity super-channels are enabled by PICs developed and fabricated by Infinera – the only supplier

delivering 500 Gb/s of transmission capacity from a single line card today. The DTN-X platform provides the foundation for AJC's agile, flexible and resilient network architecture to enable quick activation of pre-deployed capacity. It features the Time-based Instant Bandwidth technology, which activates capacity for a defined time period for diverse situations including major network faults, natural disasters or planned short-term events.

With Intelligent Transport Networks, Infinera provides carriers, Cloud operators, governments and enterprises the ability to quickly deliver differentiated services by enabling a virtual pool of intelligent bandwidth.

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**About Infinera**

Infinera (NASDAQ: INFN) empowers network operators to quickly deliver differentiated services by enabling an infinite pool of intelligent bandwidth. With the recent completion of its offer for the shares of Transmode, Infinera now offers an end-to-end packet-optical portfolio to fully address the WDM networking market including long-haul, subsea, Cloud and metro. Infinera leverages its unique large scale photonic integrated circuits to deliver innovative optical networking solutions for the most demanding network environments. Deployed across the globe, Infinera Intelligent Transport Networks enable carriers, Cloud operators, governments and enterprises to accelerate service innovation and simplify optical network operations. To learn more about Infinera visit www.infinera.com, follow us on Twitter @Infinera and read our latest blog posts at blog.infinera.com.



This press release contains forward-looking statements including, but not limited to, statements relating to the benefits of the features and functionality of Infinera's products including its ability to quickly reroute network traffic in the event of a fault. These statements are not guarantees of results and should not be considered as an indication of future activity or future performance. Actual results may vary materially from these expectations as a result of various risks and uncertainties. Information about these risks and uncertainties, and other risks and uncertainties that affect Infinera's business, is contained in the risk factors section and other sections of Infinera's Quarterly Report on Form 10-Q for the quarter ended June 27, 2015 as filed with the SEC on July 31, 2015, as well subsequent reports filed with or furnished to the SEC. These reports are available on Infinera's website at www.infinera.com and the SEC's website at www.sec.gov. Infinera assumes no obligation to, and does not currently intend to, update any such forward-looking statements.

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