

Pacific Crossing and Fujitsu Break Historic 1Tbps Mark in Trans-Pacific Bandwidth with New Systems Upgrade

New upgrade doubles systems capacity across the Pacific and facilitates advanced services

DALLAS, U.S.A.; TOKYO, Japan: March 19, 2008 – Pacific Crossing Limited, the operator of the only independent, carrier-neutral trans-Pacific cable system – PC-1, working closely with its technology partner, Fujitsu, has become the first company to operate a Terabit of lit capacity across the vast Pacific Ocean.

The company announced today the completion of a systems-wide upgrade, which brings online an additional 600Gbps of Trans-Pacific capacity to its system, bringing its total trans-Pacific lit capacity to just over the 1Tbps threshold. The new core network upgrade, powered by Fujitsu’s Submarine Line Terminal Equipment (SLTE), FLASHWAVE S650, represents a re-engineering of PC-1’s transmission and traffic management layers, extending PCL’s maximum capacity by more than three-fold while facilitating the future deployment of advanced network interfaces and service options. The six month contract was completed without any disruption to existing network traffic.

“The completion of our network upgrade not only represents a new platform for our services, but also signifies the completion of PCL’s reengineering as a company,” said Mark Simpson, CEO of Pacific Crossing. “It clearly shows our ability to execute and that we’re back in business after our financial and corporate restructuring, and ready to deliver services to our customers.”

The new Fujitsu equipment replaces the previous PC-1 system, which had a design capacity cap of 640Gbps, with a new platform that boosts the design capacity to at least 3Tbps. The new core platform also supports advanced networking features such as Ethernet and beyond networking interfaces as well as advanced wavelength-level access. Capacity on PC-1 is available to customers in bandwidth increments ranging from STM-1 to 10G waves with flexible fully-protected and unprotected subscription options.

“Fujitsu develops high performance, innovative solutions that are designed to extend the capabilities of our operator partners,” said Dr. Terumi Chikama, corporate vice president, Fujitsu Submarine Networks. “The Fujitsu SLTE now enables PCL to support dramatically higher bandwidth requirements while maintaining its industry leading performance across the Pacific.”

The Fujitsu FLASHWAVE S650 now brings dramatically enhanced flexibility and performance management features to Pacific Crossing’s infrastructure, ensuring the highest service quality and reliability for its customers.

“The growing popularity of high-bandwidth Internet applications such as video and other forms of multimedia, interactive services, are driving bandwidth consumption on a global scale, and in particular,



Figure 1: Diagram of the PC-1 Network Landing points:
In Japan: Shima, Ajigaura
In the US: Harbour Pointe, Washington; Grover Beach, California

across the Pacific due to the growing economic importance of Asia,” Simpson said. “Our new platform, combined with our industry leading performance, network reliability and flexible subscription options, now offers our customers an unmatched solution across the vast Pacific Ocean.”

As part of the core network upgrade, Pacific Crossing has also put in place extensive dark backhaul between its cable landing stations in Harbour Pointe, WA, and Grover Beach, CA to its PoPs in Seattle, San Jose, Palo Alto, and Los Angeles. Together with its existing backhaul facilities in Japan, PCL now offers city-to-city connectivity across the Pacific.

Key specifications of the PC-1 Trans-Pacific System

Total length: 21,000km
Configuration: 4 segments
Systems architecture: 4 fibre pairs
Transmission: DWDM (dense wavelength division multiplexing)
Landing stations: Harbour Pointe, WA.; Grover Beach, CA.; Ajigaura and Shima, Japan.
Total lit capacity: 1.78Tbps (1.01Tbps of trans-Pacific capacity)

About Pacific Crossing Limited

Pacific Crossing Limited owns and operates the world's only independent, Trans-Pacific subsea network between the United States and Japan. Because the company's PC-1 system is non-consortia and carrier-neutral, it can interconnect with virtually every major carrier and provide worldwide transport to the largest telecommunications customers. The company delivers state-of-the-art capacity and managed network services at competitive prices to a growing carrier-class customer base. The company's headquarters are in Hamilton, Bermuda, with offices in San Francisco, CA and Dallas, Texas. For more information, please visit <http://www.pcl.com>.

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