MBC Deploys Infinera for Terabit Network Upgrade for Education, Research & Development and Big Data Projects

Sunnyvale, Calif. – *April 23, 2015 –* Infinera, provider of [Intelligent Transport Networks](#), and Mid-Atlantic Broadband Communities Corporation (MBC), a successful wholesale open-access transport provider, announced the deployment of the Infinera DTN-X packet optical transport networking platform. The Infinera Intelligent Transport Network, featuring the DTN-X platform, enables MBC to increase network scale to several terabits per second of connectivity across Virginia.

MBC has partnered with the Mid-Atlantic Research Infrastructure Alliance (MARIA) who co-invested in the network upgrade to support their 100 gigabit per second (Gb/s) connections to Internet2 and collaborations with Research and Development institutions. MARIA is a non-profit corporation that brings together Virginia's major research universities to facilitate access to shared technology infrastructure for research, also known as cyberinfrastructure. MARIA members include the College of William and Mary, George Mason University, James Madison University, Old Dominion University, University of Virginia, Virginia Commonwealth University and Virginia Tech. Internet2 is currently the United States' largest and fastest, globally connected Research and Education network.

The Infinera DTN-X platform enables MBC's core transport network backbone to grow by tenfold, meeting the rapidly advancing needs of high-performance big data applications, including data intensive research and collaboration for biotech now and in the future. This network enhancement positions MBC and the Southern Virginia region as among the best-connected in the country.

The Infinera DTN-X platform enables MBC to deliver capacity of 100 Gb/s coherent transmission today via 500 Gb/s super-channels, with a forward-scale design to support terabit super-channels in the future. The high capacity super-channels are enabled by 500 Gb/s photonic integrated circuits (PICs) developed and fabricated by Infinera – the only supplier delivering 500 Gb/s of transmission capacity from a single line card today. PICs enable the DTN-X platform to integrate dense wavelength division multiplexing super-channel transmission with the potential to expand up to 12 Tb/s of non-blocking optical transport network switching, providing seamless expansion as traffic requirements grow in the future.

"Infinera's innovative optical transport solutions have been the foundation of MBC's open-access transport network since our inception," said Tad Deriso, President and CEO of MBC. "The upgraded MBC network continues to be operationally simple and will deliver initial capacity of four terabits per second while greatly improving our non-profit mission of promoting economic development and bridging the digital divide."

"We are pleased the Infinera Intelligent Transport Network continues to be the foundation of MBC's unique open-access network," said Scott Smith, Infinera vice president, sales. "Infinera is committed to continuing to provide MBC with a solution that automates, converges and simplifies its optical transport network to reliably deliver advanced services to its customers."

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About Mid-Atlantic Broadband Communities Corporation
Mid-Atlantic Broadband Communities Corporation (MBC) is a non-profit 501(c)(4) organization, committed to bridging the digital divide, promoting economic development, reducing the burdens of government and reinvesting in communities. MBC accomplishes this by operating an advanced open access fiber optic network, providing wholesale telecommunications transport services, colocation and tower leasing. Since its inception in 2004 and by offering a state-of-the art fiber optic network, MBC has supported the recruitment of major investments to southern Virginia including data centers, call center/operations centers, advanced manufacturing, research and development, and bio-tech industries. For more information, visit www.mbc-va.com.

About Infinera
Infinera (NASDAQ: INFN) provides Intelligent Transport Networks for network operators, enabling reliable, easy to operate, high-capacity optical networks. Infinera leverages its unique large scale photonic integrated circuits to deliver innovative optical networking solutions for the most demanding network environments. Intelligent Transport Networks enable carriers, Cloud network operators, governments and enterprises to automate, converge and scale their datacenter, metro, long-haul and subsea optical networks. To learn more about Infinera visit www.infinera.com, follow us on Twitter @Infinera and read our latest blog posts at blog.infinera.com.

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