



NEWS RELEASE

First Phase of NG-PON2 Interoperability Trials with ADTRAN Mosaic SD-Access Solution Completed

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Trial completion yields positive results for precedent setting Day-1 NG-PON2 interoperability

HUNTSVILLE, Ala.--(BUSINESS WIRE)--Jan. 11, 2017-- **ADTRAN®**, Inc., (NASDAQ:ADTN), a leading provider of next-generation open networking solutions, participated in Verizon's recent interoperability trial of NG-PON2 technology. The trial, which featured several different technology suppliers and was aligned with Verizon's Open OMCI specification (defining the OLT-to-ONT interface and will be shared with the industry in the next few months), proved that multi-vendor solutions for both the optical line termination (OLT) on the service provider end and the optical network terminal (ONT) on the customer end can greatly expand the bandwidth delivered without impacting existing broadband subscribers on the same fiber line. This trial further showcases the improved service scalability and operational elasticity that NG-PON2 provides. This includes the highest level of bandwidth flexibility, maximizing SDN/NFV network automation and allowing for the rapid creation and delivery of customer services.

The trial featured the ADTRAN Mosaic™ Software Defined (SD-Access) solution that is specifically designed to reduce the overall cost of operations when delivering converged 10G services through the highly-scalable ADTRAN SDX network elements and SDN orchestration from the ADTRAN Mosaic Cloud Platform. The inherent scale and agility of multi-wavelength NG-PON2 access technology offers unprecedented fiber distribution and network flexibility, supporting fiber network auto-grooming and reducing the need for expensive truck rolls. By integrating NG-PON2 into the ADTRAN Mosaic SD-Access architecture, further cost reductions are afforded to the service provider through innovative subscriber edge tunable (SET) optics, lowering the capital cost per customer. Additionally, the SDN optimization allows for the rapid delivery of services and improves the integrity of the network while refining the overall quality of experience. This uniquely open, programmable and scalable implementation of this highly-

elastic multi-10G access technology matches the needs of carriers like Verizon by accelerating their transition to web-scale operation.

NG-PON2 gives carriers like Verizon a foundation to provide customers with upload and download speeds of up to 80 gigabits per second. The results of the trial allow companies to meet increasing traffic demands by easily increasing the capacity of their existing network investment.

“Increased network integrity and improved application quality-of-experience differentiate NG-PON2 as a cost-effective fiber broadband solution. As the industry continues to move towards more open, programmable and scalable architectures, ADTRAN is helping carriers like Verizon make this critical business transition,” said Robert Conger, ADTRAN’s associate vice president, Cloud and Portfolio Strategy. “ADTRAN is committed to advancing NG-PON2 as the premier mechanism to cost-effectively scale service delivery and we look forward to continuing our work with Verizon to move this market forward.”

About ADTRAN

ADTRAN, Inc. is a leading global provider of networking and communications equipment. ADTRAN’s products enable voice, data, video and Internet communications across a variety of network infrastructures. ADTRAN solutions are currently in use by service providers, private enterprises, government organizations, and millions of individual users worldwide. For more information, please visit www.adtran.com.

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