Infinera First to Receive 100G Carrier Ethernet 2.0 Certification by MEF

Sunnyvale, Calif. – ***Nov. 18, 2015*** **–** Infinera, provider of Intelligent Transport Networks, announced that it is in the first tranche of packet-optical transport network vendors to complete the MEF 100 gigabit (100G) Carrier Ethernet 2.0 (CE 2.0) certification program. This achievement validates Infinera as a global packet-optical transport leader that can deliver differentiated services with scalability, flexibility and programmability.

To achieve the 100 gigabit Ethernet (GbE) MEF CE 2.0 certification, the Infinera PXM packet switching module, integrated with the DTN-X XTC platform, had to complete a rigorous and comprehensive set of test cases defined by the MEF. The Infinera PXM demonstrated its ability to enable service providers to add newly defined 100 GbE E-Line service capabilities, including Ethernet private line and Ethernet virtual private line services. These services offer Multiple Classes of Service (Multi-CoS), Ethernet Network to Network Interface (ENNI) and User Network Interface (UNI), and consistent handling of Ethernet operations, administration, and maintenance (OAM) frames to ensure end-to-end service provisioning, monitoring and fault management with multiple operator segments. Additionally, standardized advanced Multi-Quality of Service (Multi-QoS) handling ensures consistent handling of various levels of service between multiple operators across geographic performance tiers and application types.

With the combined end-to-end network portfolio, enabled by the DTN-X Family and the TM-Series of products, Infinera can now deliver any CE 2.0 service within any network from core to access on a global scale. Infinera now supports MEF CE 2.0 certified services of any granularity from 100 megabits per second (Mb/s) to 100 GbE, with these services supported via a common Infinera DNA network management system from the core to the customer premises. This enables Infinera to support content-rich revenue generating enterprise applications such as business Ethernet, video and content delivery, cloud services and datacenter interconnects.

“Global network customers expect dynamic Third Network connectivity services delivered over more automated, interconnected networks, and 100G is key to unlocking those services,” said Kevin Vachon, chief operating officer of the MEF. “The 100G CE 2.0 certification is a rigorous testing process for equipment vendors and Infinera's achievement demonstrates its ability to deliver higher bandwidth and network capacity to meet the growing demand for dynamic services.”

“100G and 10G MEF CE 2.0 certification of the Infinera PXM switching module marks a significant achievement for Infinera,” said Karl Thedéen, SVP, head of Metro Business Group, Infinera. “While 10 GbE is table stakes, we are excited to demonstrate our industry leadership in the first wave of 100 GbE certification. As services become more sophisticated and capacity requirements continue to grow, transport networks are becoming more packet-aware. In a competitive Carrier Ethernet market, Infinera is committed to offer its customers the ability to rapidly and easily turn up new standards-based services at scale. We offer our customers a standards-based solution that allows them to deploy differentiated services with greater speed, agility, and assurance, to help them deliver end-to-end service level assurances with service performance guarantees.”

The PXM switching module is designed to enable a highly efficient packet optical transport network architecture. With the PXM, network operators benefit form a portfolio of services based on not only Carrier Ethernet but also Multiprotocol Label Switching (MPLS) technologies, resulting in decreased network costs and statistical multiplexing with packet aggregation and transport port consolidation. It offers integrated Ethernet and MPLS functionality over WDM

super-channels to deliver dynamic, flexible packet transport services. It can process Ethernet and MPLS packets with QoS up to 100 GbE speeds, map them based on configuration rules into multiple flexibly-sized ODUflex circuits, and deliver them through the transport network to their end destination. The converged Layer 2, Layer 1, Layer 0 functionality in the overall system enables a more flexible and efficient multi-layer network providing rich packet services. This helps service providers reduce capital expenses and increase power and space efficiency by reducing the need for transit router ports and chassis.

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About the MEF

The MEF is the driving force behind the ~$80 billion global market for Carrier Ethernet services and technologies and the defining body for LSO (Lifecycle Service Orchestration) standards that underpin emerging Third Network services with CE 2.0, SDN, and NFV. An industry alliance consisting of nearly 220 member organizations based in 43 countries, the MEF operates through a powerful collaborative framework of service providers, network solutions suppliers, and other stakeholders to achieve CE 2.0 and LSO development and globalization objectives.

MEF's flagship work is CE 2.0, including specifications, operational frameworks, and certification programs for services, equipment, and professionals. Visit www.mef.net for more details on these programs.

Building on fourteen years of success with Carrier Ethernet, the MEF is now focused on development of LSO with APIs to enable paradigm-shifting agile, assured, and orchestrated services over more efficient, automated networks. The MEF's vision for the transformation of network connectivity services and the networks used to deliver them is referred to as the "Third Network," which combines the on-demand agility and ubiquity of the Internet with the performance and security assurances of CE 2.0. For information on the Third Network and LSO download the MEF's Third Network Vision & Strategy White Paper and Third Network Lifecycle Service Orchestration (LSO) Vision White Paper.

About Infinera

Infinera (NASDAQ: INFN) provides Intelligent Transport Networks, enabling carriers, cloud operators, governments and enterprises to scale network bandwidth, accelerate service innovation and simplify optical network operations. Infinera's end-to-end packet-optical portfolio is designed for long-haul, subsea, datacenter interconnect and metro applications. Infinera's unique large scale photonic integrated circuits enable innovative optical networking solutions for the most demanding 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.

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 PXM switching module and 100G MEF CE 2.0 capabilities. 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 September 26, 2015 as filed with the SEC on November 5, 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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