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Isocore Undertakes the Most Comprehensive Interoperability Testing of MPLS-TP and Key Internet Technologies

Isocore Spring 2012 Leading Edge Code testing stresses resiliency for Internet as the economic infrastructure

RESTON, Va.--(BUSINESS WIRE)--Isocore announced the completion of its spring Leading Edge Code (LEC) testing that involved key features including MPLS-TP and IPv6, which are critical for resilient packet networks for Service providers, large public and private enterprise.

The Isocore Spring Leading Edge Code testing concluded with the most comprehensive interoperability results in the industry for standards-based MPLS-TP. This milestone achievement reflects the maturity of vendor implementations as the IETF completed the RFC publication of the main specifications for forwarding, OAM and protection only a few months earlier.

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"Verizon is pleased to see the successful results of Isocore's Leading Edge Code interoperability testing for MPLS-TP and IPv6," said Andrew G. Malis, Principal Member of the Technical Staff for Verizon. "This testing is important for Verizon and other service providers to assure the validity of the protocols and their implementation as well as multivendor interoperability. This reduces the amount of testing that carriers need to perform and expedites service rollout."

The test plan included multi-vendor verification of forwarding capabilities, OAM, protection and integration with existing IP/MPLS deployments. A comprehensive suite of OAM mechanisms were tested, including BFD continuity check, remote defect indication, LSP Ping on-demand verification and LSP route tracing. Resiliency test cases validated linear 1:1 protection with consistent sub 50 ms results using point-to-point and multipoint Ethernet services (including VPLS) laid out over the transport infrastructure. Last, integration with IP/MPLS was validated to create a single MPLS infrastructure where end-to-end services could be deployed seamlessly. In addition, for the first time RFC-based Protection State Coordination (PSC) protocol with administrative commands were also tested and verified, comprehensively.

Isocore also tested the IPv6 migration solutions with Dual-Stack Lite scenarios. Dual stack Lite is a promising approach in which a service provider can deploy IPv6 and still provide an IPv4 service.

The test setup for the event consisted of network elements from major vendors in a large topology. The participants in MPLS-TP consisted of Cisco Systems (NASDAQ: CSCO), Ericsson (NASDAQ: ERIC), NEC Corporation (NEC; TSE: 6701), and Spirent Communications (UK: SPT). The participants for Dual stack Lite consisted of Juniper Networks (NASDAQ: JNPR) and Spirent Communications.

About Isocore

Isocore provides technology validation, certification and product evaluation services in emerging and next generation Internet and wireless technologies. Major router and switch vendors, Service Providers, and test equipment suppliers participate in Isocore activities. Isocore has major offices in the USA (Washington DC area), Europe (Paris, France) and Asia (Tokyo, Japan).

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