Telco Systems Unveils Carrier SDN Network OS

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MANSFIELD, Mass. -- Telco Systems, the leading provider of innovative SDN & NFV, multi-service Carrier Ethernet 2.0 and MPLS edge solutions for mobile backhaul, business Ethernet services and cloud networking, today announced the release of ViNOX™, the first Carrier SDN network operating system that includes native support for OpenFlow and NETCONF standards in parallel with MEF services and carrier-grade support.

Building on the extensive capabilities and features of its industry-leading BiNOX™ operating system, ViNOX powers all Telco Systems' Open Metro Edge (OME) devices, offering CE 2.0 capabilities of resiliency, quality of service, OAM, multiple transport technology support (.1Q, Q-in-Q, IP/MPLS) and, now, also OpenFlow support. ViNOX is fully compatible with already deployed T-Marc and T-Metro products and can be added via a simple software upgrade.

ViNOX provides full SDN support with comprehensive adoption of NETCONF, the network configuration protocol, and YANG, its data modeling language. Since NETCONF and YANG employ the XML file format, they are well suited for process automation and can shorten the NMS/OSS integration cycle. By incorporating these innovative management models, ViNOX offers a superior level of flexibility, support in configuration commit and rollout, and much more efficient network management.

ViNOX's OpenFlow capabilities enable service providers to traffic engineer and load balance their networks, reducing CAPEX while increasing average fiber utilization by as much as 80%. A practical demonstration of ViNOX with OpenFlow succeeded in separating designated video conferencing traffic from the entire EVC stream and directing it in another network path, significantly boosting throughput for both traffic flows.