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Global Carriers Deliver "Triple Play" Services via IP Next- Generation Networks with Cisco 7600 Series Routers

New Cisco 7604 and other enhancements accelerate network convergence for service providers and carrier-class wide area networks for enterprise

SAN JOSE, Calif., April 18, 2005 - Cisco Systems® today announced strategic product additions and enhancements to its [Cisco 7600 Series](#) routing portfolio, underscoring its leadership in helping service providers build out flexible Internet Protocol (IP) Next-Generation Networks (NGNs) that delivers scalable, profitable and differentiated video, voice, and data, or "triple play" services to their customers.

The [Cisco 7600](#) Series Router also enables enterprise customers to build carrier-class wide area networks for converged LAN/[WAN](#) functionality and provides smooth migration from existing [Cisco 7500](#) routers through Cisco FlexWAN technology and software-feature parity. And with over 10 million video-on-demand (VoD) subscribers deployed, Cisco 7600 Router is an industry benchmark for delivering triple play services.

"Service providers and enterprises alike are pursuing a vision of service delivery that can only be achieved with an intelligent, scaleable and highly secure network infrastructure for IP-NGN, which supports converged applications, services and networks," said Pankaj Patel, vice president and general manager of the Broadband Edge and Midrange Routing Business Unit at Cisco. "These enhancements to the Cisco 7600 Router and our other routing platforms extend our customers' IP NGN vision and support their IP/[MPLS](#) network convergence strategy."

The new Cisco 7604 router, a 4-slot, 5-rack unit high modular chassis, provides customers with high availability, density and nX 10 [Gigabit Ethernet](#) performance. The small form factor router accommodates line cards from DS0 to OC-48 as well as 10/100/1000 [Ethernet](#) routing speeds and is designed to enable service providers to deploy L2/L3 [VPN](#) and triple play services in small points-of-presence (POPs) and internet gateways, or for enterprises requiring wide area network aggregation at the edge of the network.

New [IOS](#) enhancements provide key upgrades to the Cisco 7600 Series routers such as hierarchical quality of service (QoS), enhanced capabilities for prioritizing IP traffic, and dynamic multipoint Virtual Private Network (VPN) security capabilities.

TeliaSonera, the Nordic and Baltic telecommunications leader that offers mobile communications, Internet, data communications and voice services, has also been using the new features and functionality available in the Cisco 7600, specifically the SUP720-3BXLs supervisor and the 10 Gigabit Ethernet modules.

"With more than 150 routers deployed already, TS is on the forefront of building our IP NGN architecture based on the Cisco 7600," said Claes Nycander, senior vice president and chief

network officer at TeliaSonera. "Through this infrastructure, TeliaSonera Sweden is offering L2 and L3 MPLS VPN aggregation as well as Ethernet DSLAM aggregation services to a Cisco 7600 based edge-aggregation network, for both business as well as residential customers."

The new Cisco Interface Flexibility (I-Flex) design for Shared Port Adapters (SPAs) and SPA Interface Processors (SIPs) provides broad interface options (copper, channelized, PoS, [ATM](#) and Ethernet) for the Cisco carrier-routing portfolio that includes the [Cisco 7304](#), Cisco 7600, Cisco 10000, [Cisco 12000](#), and Cisco XR 12000 Series routers, as well as the Cisco CRS-1. These new SPAs and SIPs reduce total cost of ownership by providing slot-economics leadership and granular scalability for cross-platform sharing/sparing. This solution also provides service intelligence in the SIP, requires no add-on SPA for enhanced queuing, tunneling or link services and accelerates network convergence with FR/ATM, Ethernet and [IPSec](#) SPAs.

Bharti Televentures is a major nationwide telecom service provider in India serving nearly 10 million wireline and wireless customers. Bharti is in the process of deploying a new IP/MPLS next-generation service network based on the Cisco 7600. The Cisco 7600 edge-aggregation routers, equipped with the new Supervisor Engine (SUP720-3BXLs), are being used for L2/L3 VPN aggregation including Ethernet over MPLS, and [Frame Relay](#) over MPLS. Bharti has also been evaluating the new SPAs and SIPs for their Cisco 7600 routers.

"Our IP NGN is designed around the Cisco 7600 routers, which converge a variety of leased-line customers from various parts of the country and provides Bharti with leading IP/MPLS edge-aggregation capabilities," said Jagbir Singh, group chief technical officer at Bharti. "The Cisco I-Flex design and new software for its Cisco 7600 routers provides higher levels of intelligence and helps enable Bharti to offer new differentiated triple play voice, video and data services."

Pricing and Availability

The Cisco 7604 Router is expected to be available by end of April 2005. The base configuration - - which includes the chassis, the supervisor engine, and the power supply -- will be list priced starting at \$34,000. The Cisco SPA and SIP solutions start at a list price of \$2,500 and vary according to product models and supported platforms. For more information about the new product and feature additions to the Cisco routing portfolio and the Cisco IP NGN solutions in general is available at <http://www.cisco.com/go/ipngn>.

About Cisco

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