

IPX

Future-proof your business by leveraging our converged Global IP transport solution

As Mobile Network Operators (MNOs), you are faced with the challenge of maintaining your margin on your international services including roaming. You must also reduce overhead on network maintenance while still introducing new voice and data services with high-quality and reliability.

Benefits

- Reduced exposure to risk in low-margin business sector
- Access to economies of scale
- Ability to focus on core areas of expertise, including building customer relationships, driving revenue from on-net terminations and enhancing value-added services
- Access to market-leading technology and traffic management systems
- Guaranteed QoS (end-to-end reliability and capacity provisioning)
- International voice and VoIP termination expertise
- Advanced routing capabilities
- Support new ways of doing business

IPX, a single, converged interconnect capability, offers efficiency through one connection for many services. Our IPX solution also provides ever-present service connectivity and quality through defined end-to-end SLAs, allowing providers to improve their service quality as well as optimize their network.

Our CAPEX-light IP transition model leverages partner expertise in order to reduce management, development and maintenance complexity. With the migration to an IP-based delivery platform, Tata Communications allows both fixed and mobile/wireless networks to introduce new, converged services to drive future revenue streams.

IPX: Be a Part of the IP Interconnect Evolution

Unlike traditional Time-Division Multiplexing (TDM) technology, our IPX solution enables you to interconnect wireless networks over IP, providing you with a more flexible, streamlined solution.

Leveraging next-generation network architecture, Tata Communications' IPX acts as a private global IP backbone enabling the delivery of all voice, signaling and data services via the same pipe.

Ahead of the Curve

Tata Communications is a pioneer in the transport of voice and signaling communications, having completed trials with GSMA's IP eXchange (IPX) to validate technical and commercial specifications. As a trial partner, we influenced the design and implementation of such framework to ensure that the platform is able to support IPX services and integrated offerings to service providers worldwide.

Secure and Reliable

Tata Communications' IPX solution ensures the security of your critical traffic and commercial agreements. IPX is also not addressable from the Internet, therefore making attacks difficult. Since individual operator traffic is segregated,

potential security breaches are localized. End user terminals have no visibility of the IPX, so they are unable to probe the core networks involved in the management and delivery of the IP services.

Cost Reduction

IP-core delivery also opens up opportunities to extend communities and services seamlessly between the wired and wireless worlds, resulting in cost-efficiencies in both CAPEX and OPEX. Our IPX solution further reduces cost by removing the need for multilateral agreements between operators.

Features

- _ Single connectivity for all roaming and interworking services (voice, video, signaling and data)
- _ “Single peering point” for multiple peering technologies
 - _ Seamless management of on-net and off-net traffic
 - _ On-net is an optimization of control, quality and margin
 - _ Off-net is relying on an expert to deliver for you at the best quality/costs combination
- _ Flexible bandwidth on-demand with Class of Service (CoS) and security
- _ Optimal voice quality with guaranteed CLI delivery
- _ SLAs with key performance metrics
- _ Offered on a global IP/MPLS network of 300 PoPs
- _ Flexible commercial models

The Tata Communications' Advantage

- _ World's leading wholesale international voice provider
- _ World's leading international signaling provider
- _ World's leading submarine cable capacity provider
- _ Leadership in IPX with active participation and subgroup chairing in IPIA and i3Forum
- _ Global IP/MPLS Network running on its own transmission facilities
- _ Leading footprint of direct MNO relationships
- _ Expert management of MNO roaming partner footprint

About Tata Communications

Tata Communications is a leading global provider of a new world of communications. With a leadership position in emerging markets, Tata Communications leverages its advanced solutions capabilities and domain expertise across its global and pan-India network to deliver managed solutions to multinational enterprises, service providers and Indian consumers.

The Tata Global Network includes one of the most advanced and largest submarine cable networks, a Tier-1 IP network, with connectivity to more than 200 countries across 400 PoPs, and nearly one million sq. ft. of data center and colocation space worldwide.

Tata Communications' depth and breadth of reach in emerging markets includes leadership in Indian enterprise data services, leadership in global international voice, and strategic investments in operators in South Africa (Neotel), Sri Lanka (Tata Communications Lanka Limited), and Nepal (United Telecom Limited).

Tata Communications Limited is listed on the Bombay Stock Exchange and the National Stock Exchange of India and its ADRs are listed on the New York Stock Exchange. (NYSE: TCL)

For more information on IPX, visit www.tatacommunications.com
