



## Voice Direct Transit for MNOs

### Are you delivering the best possible quality for your most profitable voice services?

Voice Direct Transit delivers enhanced control over the end-user experience on selected routes between partners and alliances, or on roaming corridors.

### Guaranteed quality. More flexibility.

Voice Direct Transit from Tata Communications provides the increased routing control and commercial flexibility of a direct interconnect, without the challenges of managing bandwidth and interworking. Tata Communications creates a “virtual direct” to any of the 300+ mobile operators directly connected to our network. The partners exchange traffic directly, with dedicated capacity, and the freedom to negotiate alternate commercial terms where they may be beneficial.

### Optimize usage on roaming corridors

Roaming minutes are among the most profitable for MNOs, but also present additional delivery challenges and are extremely sensitive to quality. Answer rates increase by 25% if CLI is delivered. Conversely, fewer than 20% of dissatisfied roamers will complain to customer service about voice quality issues; instead they simply avoid using the service.

For most MNOs, just a few destinations account for the majority of roaming usage. Voice Direct Transit enables you to create “virtual directs” with preferred partners on these key roaming corridors, increasing your ability to control and optimize the end-user experience.

### Why Tata Communications

- 300+ directly connected mobile operators
- Fully IP core network to support HD voice
- Expertise managing interworking and interconnectivity challenges
- 232,000km global network already reaches your partners
- Reach and relationships to broker partnership arrangements to key destinations



## Exchange traffic with key partners

Partners, groups and alliances can enjoy the commercial flexibility and quality guarantees of bilateral traffic exchange, without the overhead and risk that comes from managing bandwidth, connectivity and interworking.

Tata Communications creates a virtual interconnection between operators, supported by customizable routing and settlement options. Operators can settle directly and pay only a transit fee, or cascade billing through Tata Communications.

## Service Overview

Tata Communications manages capacity planning and interworking, including full onboarding tests of roaming scenarios. The service additionally delivers customized fallback routing options, flexible settlement options, and realtime monitoring and alarming on key parameters.

Calls are delivered via our all-IP next-generation network, with flexible interconnect options, including IPX, and full support for HD voice to compatible destinations. The service complies to the GSMA's IPX specifications for direct transit, and is future-proof for operators migrating to Voice over LTE.

### Easy configuration

- Dedicated capacity, no congestion
- Full onboarding tests of roaming scenarios
- 100% Direct routing to target networks
- Fall back routing options: Customize alternate routing logic of your calls

### Enhanced quality

- Guaranteed transmission of Calling Line Identification (CLI), Original Called Number (OCN) and Re-Redirecting Number (RDN), DTMF
- HD Voice support
- CLI delivery verification on 266 mobile networks
- Real time monitoring, alarming and proactive testing on NER, ASR, ALOC, CLI, MOS

### Commercial flexibility

- Flexible settlement options, Cascade or Direct
- Accommodates mandatory Number Portability requirements
- Quality reporting
- Flexible interconnect options, including IPX

**For more information about Voice Direct Transit, please visit:**  
[www.tatacommunications.com/contact](http://www.tatacommunications.com/contact) or email [marcom@tatacommunications.com](mailto:marcom@tatacommunications.com)

### 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 multi-national 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 1 million square feet 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)

