IPv6
Future-proof for the next generation

IPv6 Rollout Timeline
*Teleglobe is now Tata Communications

1995 Teleglobe provides the first Next-Generation Internet intercontinental connection for the Brussels G7 summit. Teleglobe promotes the experimentation of IPv6 and the 6bone/6TAP initiative as a member of the Canarie Policy Board.

1998 Teleglobe facilitates the world’s first intercontinental native IPv6 connection.


2001 Teleglobe provides the first intercontinental gigabit level lambda connection between Starlight and SURFnet. Teleglobe is a commercial partner in the first nextgen interconnect point STARTAP (Science & Technology Advanced Research Transit Access Point) in Chicago.

2003 Teleglobe starts IPv6 pilot with Hexago tunnel brokers.

2004 Teleglobe introduces IPv6 beta phase with 6PE’s and MPLS core.

2005 Teleglobe launches commercial IPv6 availability.

2006 Tata Communications (formerly VSNL International) completes native IPv6 deployment in core network.

IPv6 Services

Tata Communications has three solutions to ease the migration:

- **IPv6 Native Service** enables customers to access the Internet Protocol version 6 (IPv6) via a direct connection to one of Tata Communications’ IPv6 enabled routers.
- **IPv6 Dual-Stack Service** enables customers to access the Internet Protocol version 6 (IPv6) and Internet Protocol version 4 (IPv4) over the same physical interface.
- **IPv6 Tunnel Broker Service** offers customers a cost-effective way to access IPv6 through the IPv4 infrastructure using the Hexago Migration Broker without upgrading any router.
IPv6 is a third generation Internet Protocol solving many issues identified with IPv4. IPv6 provides the required features to eliminate address space shortage and support auto-configuration and scalability for mobile applications and security.

Since the transition to IPv6 will not happen overnight but will be progressive, various techniques and protocols have been proposed by standard bodies and industry forums to address the need for graceful migration. Tata Communications offers three service options, IPv6 Native Service, IPv6 Dual-Stack Service, and IPv6 Tunnel Broker Service to enable an efficient and streamlined migration to IPv6.

Reach Farther

Our OC-192/STM-64 IP backbone ensures scalability and sustainable network performance all the time. We own and operate one of the farthest reaching IP backbones in existence today by circling the globe from east to west, west to east, with a presence in America, Europe, Africa, Middle East, Asia, and Oceania with 80 international PoPs and 120 Indian PoPs.

More on IPv6

For more information on IPv6, please visit:
www.tatacommunications.com/contact