Over the years, Telecom networks have become heterogeneous and complex with multiple vendors, applications and technologies. Telecom companies are continuously enhancing their network infrastructure to optimize network operations. With all these challenges, operators are given a choice to move to IMS – an IP-based session and control architecture. It brings in immense advantages in terms of low OPEX, new services, an open architecture, etc. But, at the same time, its generic nature adds complexity in already complex networks.

At TCS, we bring you IMS-based solutions, which will help your company achieve its business goals, while we take care of all your system integration and testing aspects, and also offer you development/migration of services on IMS platforms.

What we offer

Adoption of an IMS platform into a well-established network is challenging. Particularly, when IMS can add complexity to an already complex market or infrastructure. You must also prioritize and be certain of which new services to launch on the IMS platform. In many cases, differences in standards of services from different service providers, interoperability issues, and questions of how to move your existing back-office infrastructure, such as your existing OSS and billing platforms to an IMS supported architecture, can affect services.

With our lab-tested tools and frameworks on IMS, such as our IMS Development Tester – IMS Test Suite development based on 3GPP IMS conformance specifications, application development experience; iConverse IMS Application – a next-generation application that helps users understand the topic being discussed on a live call in detail through live feed on an Instant Messenger, and IMS based IPTV Application – which has features like SMS on IPTV, call receiving capability on IPTV, we

- Reduce complexity through our proof of concepts and prototyping;
- Help you leverage from our existing alliances and partnerships for synergy across geographies and newer markets.

How we help our customer

From lowering costs, to understanding the course of technology, to ensuring smooth system integration and reliable testing, to being a trusted advisor and providing cost-effective asset-based solutions for quick wins, you can gain more from our offerings.

- Our proof of concepts and prototyping help in reducing complexity.
- Market study and innovation help in identification of right services.
- Gaps in standards are filled by research and working closely with standard bodies.
- Interoperability testing of solutions from different vendors improve services.
Why TCS

Our Global Network Delivery Model™, and rich domain experience from servicing some of the largest operators globally, have made us a reliable partner for providing IMS solutions. Apart from our robust, flexible, functional and reliable solutions, you can also take advantage of our end-to-end value chain coverage and presence in multiple regulatory regimes. Through our constant innovation, proven methodologies and delivery architecture for process improvements, we promise consistent, enhanced end-customer experience across geographies. We are also strengthened by:

- **Vendor partnerships**: Deep product engineering engagements with equipment vendors (including Test & Measurement vendors) provide us early access to and expertise in upcoming technologies. This is leveraged to service large carriers and EVs to overcome their challenges in the wake of technology churn.

- **Focus on R&D**: Centers of Excellence (CoEs), labs, R&D capabilities in niche technology areas such as packet networks (IMS, IP transformation), Wireless technologies (WiMax, HsxPA/LTE) and Handset CoE, have kept us abreast of evolving technology and industry developments, helping us work in the interest of the industry and its consumers. Our well-tested, ready-to-deploy solutions, frameworks, and assets have come out of the IMS lab.

- **Strong alliances**: Our presence in and relationship with all the service areas of Telecom brings in strategic benefits. Our alliance with standard bodies and forums also make us strong technology change management partners.

Contact

To know more about our Telecom solutions contact global.telecom@tcs.com

About Tata Consultancy Services (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering and assurance services. This is delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development. A part of the Tata Group, India’s largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

For more information, visit us at www.tcs.com

IT Services

Business Solutions

Outsourcing