

Delivering Value. Together

Tech
Mahindra



LeadCom

DELIVERING THE BEST-IN-CLASS LTE NETWORK TECHNOLOGY SERVICES

LTE Network Testing services from Tech Mahindra feature end-to-end life cycle network testing capabilities that eliminate the unpredictability associated with launch and management of LTE networks and related services

Connected World.
Connected Solutions.

Business Challenges

Rollout of a LTE (Long Term Evolution) network and subsequent traffic growth require a network architecture design that is scalable with high availability support. The complexity of network validation gets multiplied further due to the presence of multi-vendor network elements, stringent policy compliance requirements and evolving LTE standards. Telecom service providers launching or managing an existing LTE network need to look at these key challenges:

- Network integration complexity
- Network scalability
- Policy enforcement issues
- VoLTE (Voice Over LTE) interconnectivity
- Network Virtualization challenges



LTE Network Technology Services

With an early focus and investment in 4G technology, we have developed a setup that delivers LTE network technology services for global service providers. With a team of over 300 test engineers, backed by more than 18 years of solid experience on various wireless products that span across 2G, 3G and 4G domains, we deliver a suite of LTE network technology services that encompasses the entire network lifecycle:

- System Testing
- Feature Testing
- Single Vendor/ Multi-Vendor Conformance Testing
- Interoperability Testing
- Network Integration Testing
- Capacity & Performance Testing
- Network Certification Testing
- First Office Application
- Live Network Deployment Tests
- Regression Testing
- Test Automation
- End to End Testing
- Infrastructure Testing

Technology Leadership

Tech Mahindra has been associated with many pioneering developments in the LTE arena:

- First VoLTE call using real network elements in a lab environment.
- First Enhanced Single Radio Voice Call Continuity (eSRVCC) voice handover from 4G to 3G in a lab environment.
- First IR-94 video call in a lab environment
- Designed carrier grade EPC solution based on ATCA chassis

Business Benefits

- Speed up LTE network rollouts
- Reduction in testing costs by 30-40% via optimized processes & proven offshore-onsite model
- Reduced cycle time by 65-70% for regression test cases through Automation
- Accelerated end-to-end network integration
- First time right releases
- Increased test coverage
- Optimized testing

Expertise

Our experience spans across equipment from top of the line LTE Equipment Manufacturers (OEMs):



Success Stories

North America's leading service provider

Since 2011, Tech Mahindra is the only LTE network certification partner helping the telco accelerate its LTE roll-out, reduce cycle time and enhance quality of its network releases by enabling LTE EPC architecture design validation, mobility infrastructure integration and development of a LTE test automation framework.

Tier 1 service provider in USA

Tech Mahindra has enabled reduction in time to market for LTE services rollout by building and validating the network deployment and overall test strategy plans. Definition of test priorities and automation of test cycles have further helped in accelerating the LTE rollout.

Tech Mahindra



www.techmahindra.com



connect@techmahindra.com



www.youtube.com/user/techmahindra09



www.facebook.com/techmahindra



www.twitter.com/tech_mahindra



www.linkedin.com/company/tech-mahindra
