

Stress testing for LTE EPC and IMS core

A total outsourced managed testing service for the LTE/ IMS core elements using either customer test bed or real-world simulated LTE network

Overview

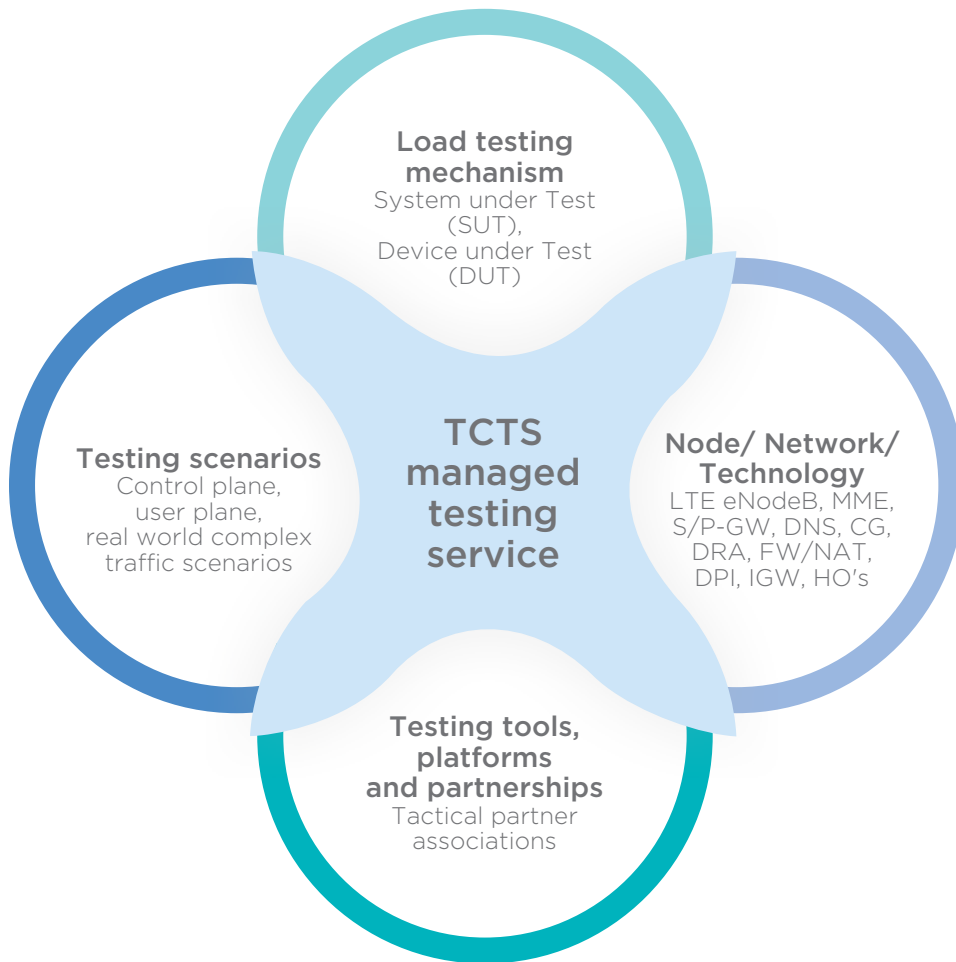
Operators worldwide are rolling out LTE networks for providing high capacity data services to their customers and to remain ahead in this competitive mobile market. With the advent of LTE, mobile broadband usage is expected to increase at a phenomenal rate and the traffic is expected to grow exponentially. Networks need to be capable of handling such loads and complex traffic patterns.

Therefore, MNOs need to proactively validate the network/ node performance/ scalability under heavy loads and varying traffic patterns/ scenarios, thus delivering seamless and a high-quality mobile experience to their customers, reducing churn and preventing revenue leakages. Besides, MNOs need to validate the impact of the services on the network/ nodes before they are deployed commercially.

TCTS provides a variety of professional and support services focussed on helping operators meet their complex testing and service assurance requirements. TCTS enables mobile service providers to test performance of their LTE networks and nodes. stress/ load simulated testing are configurable to emulate varied real-world control and data plane traffic of millions of mobile subscribers moving across LTE, GSM, UMTS and Wi-Fi networks.

Drive efficiencies | Enhance customer experience

TCTS managed testing proposition



Typical LTE network testing use cases



Validate systems scalability and identify capacity limits



Measure control plane capacity



Stress data plane performance



Perform Intra-LTE and IRAT mobility testing using simulations



For system proof-of-concept, trials before delivery



Identify performance ceilings



Busy hour call modelling



Real world traffic models/ scenarios

For more information, visit us at <http://www.tatacommunications-ts.com/>

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TCTS value creation and capability enablers



Matured operations delivery solution during transfer

- Customer will gain full advantage of mature operations delivery model and robust transfer method at time of transfer
- Fully trained manpower resulting in no knowledge gaps at time of transfer
- All operational processes in place and running to set performance levels with measurement and reporting in place
- Full transfer program plan and team used to mitigate and manage all risk aspects of transfer (HR, process, tools, governance, licenses, third-party management)

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