Mobile core network design and optimisation services

A reliable LTE managed service partner with design, deployment support, operate and optimise offering

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.

A few challenges, faced by MNOs to evolve from 2G/ 3G core to LTE evolved packet core networks, include:

- Overlay EPC network versus upgrade
- Distributed or centralised EPC architecture
- Evolution path of existing platforms towards 4G/LTE
- Policy and charging architectural changes for adopting LTE
- Features & services to be planned on LTE network
- Roaming architectures
- Network security
- DPI deployment strategies
- Scalability and reliability
- Maintaining end to end service continuity & QoS for better customer experience
- Faster deployment

Transform operations | Drive efficiencies | Accelerate revenues | Enhance customer experience

Service offering

With the design, build support, operate and transfer managed services solution for mobile core networks, TCTS provides a comprehensive solution targeting not only customers that are looking to accelerate their network deployment, but also those who want to reduce operational risk when introducing next generation technology into their network.

TCTS can manage the complete range of core nodes such as – SGSN/ GGSN, MME, S/P-GW, HSS, PCRF, etc. and services such as – data, VoLTE (thru IMS), RCS, streaming, SRVCC, CSFB, HO's, etc.

TCTS is flexible in its approach and works with mobile operators in their unique situation to evolve and integrate the LTE/ IMS core with their existing 2G/3G core networks.

The design, build support, operate and transfer managed services solution for mobile core will allow you to benefit from a combination of TCTS industry leading design, deployment professional services with a state-of-the-art proven operations environment and best-in-class performance from day one. This will allow you to concentrate on serving your end-users better.

TCTS		
NW planning and design	NW migration life cycle mgmt.	Subscriber profile and policy mgmt.
Network deplyoment	Core site mgmt. (on field)	Core NW capacity mgmt.
Performance and optimisation	Field O&M	Core traffic and services mgmt.
Vendor management	Spare part management	Configuration and security Mgmt.

Scope of offering

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Value proposition

- TCTS solution approach is based on industry expertise, vendor agnostic and use of sophisticated tools combined with its global presence and partner support to provide coverage, capacity and quality improvement to MNOs

- From lowering costs, understanding the course of technology, to being a trusted advisor and providing cost-effective solutions, our offering helps you gain in many ways including
  - Enhanced customer satisfaction
  - Enhanced market penetration
  - OPEX reduction.
  - Improve customer experience.
  - Reduce customer churn.
  - Reduce time-to-market for new technologies and services.
  - Prevent revenue leakage.
  - Help to evolve to new technologies and services.
  - Support for maintaining the margins and controlling the CAPEX.
  - Leverage existing investments as much as possible to seamlessly evolve to new technologies.

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

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