SECURITY
SERVICES FOR
TELECOM

The global telecoms sector will see relentless focus on the underlying trends of M2M, Big Data Analytics, Cloud Computing and the over-arching Internet of Things. The complexities of securing an organisation's network and infrastructure against targeted attacks has coerced business leaders to substantiate that – there is a constant effort to protect their critical infrastructure and corporate digital assets.

The need to reduce capital expenditures and to comply with relevant industry standards and the scarcity of highly-skilled security professionals continued to be a challenge. Business leaders need to ensure that they proactively fight battles against security threats by operationalising or outsourcing routine security functions and by using converged platforms that adapt to new threats. Tata Communications Transformation Services (TCTS) enables your organisation to safeguard business assets, to reduce operational costs and to meet compliance requirements with regulatory requirements by strengthening your organisation's security infrastructure with performance based metrics.

TCTS SECURITY OFFERINGS

SECURITY TESTING

- Security assurance program
- Security assessment & revalidation
- Device / CPE security testing
- Penetration testing

SECURITY CONSULTING

- Security consulting
- Security architecture review
- Security compliance
- Security awareness & trainings

SECURITY DESIGN & IMPLEMENTATION

- Firewall
- Anti DDoS solution
- Privilege access management
- Security information & event management
- IPS/IDS
- Anti spam solution

MANAGED SECURITY

- Managed security operation center
- Security device management
- New product & services Integration
- SOC capability review

Relationship with TCTS gives end-to-end security advisory and assurance by providing an access to technology, deep process, security standards knowledge, skills, insights and capabilities.

SECURITY TESTING

TCTS helps deliver security testing to ensure products inducted in the environment conform to industry standards and specifications. We develop plans to assess infrastructure and its integrated processes to analyse risks and derive solutions to problems. These testing and assessments are designed to highlight and to clearly articulate risks to the business. Our Security testing services includes:

SECURITY CONSULTING

We collaborate with you to choose an appropriate architecture, migration solutions and optimization services that are apt for your organisation's environment. We enable you to manage the deployment with holistic view of the environment; we simplify security choices and advice to balance risk against the best return on investment. Our security consulting services includes;

SECURITY DESIGN & IMPLEMENTATION

TCTS team effectively designs & implement security solutions. Our security team having expertise in integration of such solutions within a Telcos existing infrastructure.

MANAGED SECURITY

We enable your organization to develop and implement a security value chain that involve planning, designing, building, and managing secure network infrastructure. Our Managed security services includes:

DIFFERENTIATORS

Broad portfolio of security offerings
Capabilities that cover the gamut of endto- end security operations across the IT/ telecommunication landscape.

Innovation led technical capability
Dedicated security research lab centres and partnership engines.

Engagement model
Variety of engagement models from consumption models to multiyear transformational projects to enable consistent, lowcost and highly efficient delivery.

Process and execution
'Security integration' frameworks to transform your organisation from its current-state maturity level to its future desired state.

Service delivery
Range of service delivery models, including on-premise SOC, staff augmentation, offshore monitoring and management, design-build-operate models.

Solution accelerators
Transformation accelerators and methodologies to mitigate cyber security concerns.

Right people with right experience
Trusted partner for CSPs, helping them to cost-effectively improve their information security processes, meet security best practices and achieve regulatory compliance.

CASE STUDIES

TCTS enabled Indian mobile operator to achieve Telecom and IT security compliance

Mobile operator had heterogeneous network with multiple vendor technologies, major security amendments to comply in regulatory requirements that are critical to core business. TCTS has conducted security assessment with variety of tools and frameworks (such as 3GPP/3GPP2, NIST, ISO27002) and helped to develop preventive measures to manage the substantial residual risks leading to achieve regulatory security compliance.

TCTS empowered large UK data centre to achieve more than 95% right first time in security implementation.

UK based data centre provider had to accelerate the customer provisioning with multi-vendor technologies including security products with no self-inflicted incidents and no early life failures post implementation. TCTS has delivered a systematic engineering process and lifecycle mechanism that ensured to have more than 95% right first time deliverable on customer security projects.

TCTS transformed security firewall infrastructure of South African telecom giant

Customer infrastructure had obsolete firewalls that were no-longer fit to protect the latest cyber threats. TCTS designed flawless solution and migrated firewalls from legacy to next generation firewalls that detect and protect the infrastructure from any breaches

About Tata Communications Transformation Services (TCTS)

Tata Communications Transformation Services (TCTS), a 100% subsidiary of Tata Communications Ltd, provides leading business transformation, managed network operations, network outsourcing and consultancy services to telecommunication companies around the world. TCTS delivers operational efficiency, cost transformation and revenue acceleration solutions for all the stages of the carrier process lifecycle including but not limited to network engineering and design, implementation and operations functions.

TCTS is a part of the USD $100+ billion Tata group. Tata group comprises of over 100 operating companies in seven business sectors. With presence in more than 100 countries across six continents it has a market capitalisation of USD $116.41 billion. TCTS leverages the market expertise of Tata group's global telecom operation capabilities and globally established IT, process and consulting skills. It carries the rich traditions and business ethics of the Tata companies. TCTS is head quartered in Mumbai, India with global offices in Europe, North America and Middle East. TCTS has two world class India delivery centres in Pune and Chennai. These facilities operate completely independent from its parent affiliate, preserving full confidentiality in managing all customers' business processes.

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