

SMARTCM

RAN Configuration Management and Site Integration



INTRODUCING SMARTCM



SmartCM is a configuration management and site integration tool. It maintains network integrity by automating the monitoring, auditing, updating and reporting on cell site configurations.

As networks are expanded and optimized, it is critical to validate that configuration changes made to the Radio Access Network (RAN) are accurate. This helps ensure a healthy network and excellent customer quality of experience are maintained.

SmartCM allows engineers to monitor and improve network quality by providing visibility to the live network configuration and comparing it against the desired network baseline. This highlights configuration discrepancies – a primary cause of poor network performance. And is able to generate error-free site integration transcripts at the click of a button, significantly reducing engineering effort during network deployments.

SmartCM: RAN configuration and site integration for GSM, UMTS, LTE and 5G networks

Additionally, SmartCM ensures network integrity is maintained by continuously auditing and monitoring all network changes made by engineers, tools, and even managed service providers. It is vendor and technology-agnostic, supporting GSM, UMTS, LTE and 5G network infrastructure from all the major network equipment vendors.

SmartCM provides a full range of workflow capabilities with decades of expertise built-in, saving CSPs and network equipment manufacturers massive amounts of time and countless headaches.



TEOCO is a network engineering tools market leader

For over 5 years, Analysys Mason has ranked TEOCO as a leading vendor of network engineering software tools.

USE CASES



Monitor and audit network configuration

Dashboards deliver an 'at-a-glance' snapshot of the health of your network configuration. SmartCM continuously audits your network against a defined baseline configuration and business rules and identifies service-impacting configuration errors.



Identify and resolve configuration discrepancies

Network discrepancies are presented in a single view, with intuitive filtering and drill down capabilities. SmartCM can automatically generate network data transcripts to update parameter values and resolve discrepancies ensuring no human error is introduced.



Integrate new sites

With SmartCM, users can generate full site integration data transcripts at the click of a button reducing what was normally many hours of error-prone manual work down to a few minutes, critical when time-to-market of 5G coverage is an important differentiator.



Create configuration business rules and templates

Business rules ensure network configuration rules are adhered to when optimization changes are made. These rules can be generic, or specific. Templates enable the rapid configuration of entities and can be assigned based on various criteria.



Investigate performance problems

Users can inspect entities and their parameter settings. Entities are color coded based on the severity of their discrepancies. Users can investigate the history of parameter changes, including the change source and reasons behind each change.

KEY BENEFITS



IMPROVED NETWORK OPERATIONS

Understand your network configuration health, monitor mean time to resolution (MTTR) of revenue-impacting configuration problems, audit managed service providers for configuration accuracy, and roll-out SLA compliance initiatives.



IMPROVED ENGINEERING EFFICIENCY

Proactive information delivery improves MTTR, meaning engineers spend less time troubleshooting and more time optimizing the network. Automated site transcript generation speeds up rollouts



IMPROVED SUBSCRIBER QOE

Tight control of configuration management delivers a stable Radio Access Network. This leads to improved quality of experience (QoE) - reducing subscriber churn and improving ARPU.



MULTI-VENDOR SOLUTION

SmartCM supports all major network equipment vendors and technologies, providing configuration management of the entire network from within a single tool, with all interdependencies accounted for.

ABOUT TEOCO

TEOCO is a leading provider of analytics, assurance and optimization solutions to over 300 communication service providers (CSPs) worldwide.

Our solutions enable the digital transformation of CSPs while enhancing their network QoS, improving their customer experience and reducing their operational costs.

Through advanced analytics, TEOCO products provide actionable and measurable insights into network and customer behavior. This includes the optimization, effective monetization, and delivery of new and existing services, such as 5G.

Our commitment to network flexibility and agility makes TEOCO the obvious choice for CSPs looking to maximize the revenue potential of 5G investments and capitalize on new opportunities tied to the emerging Internet of Things (IoT).



**Global
Footprint**



**Extensive
Portfolio**



**Proven
Solutions**



“TEOCO’s market leading position in Engineering Systems reflects the success of its extensive network planning and optimization solution set, built by some very cohesive acquisitions and integrated effectively to form a leading portfolio”

- Analysys Mason