



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.



Aircom is a market leader in network engineering tools.



SmartCM Use Cases



Monitor and Audit Network Configurations

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. This is critical when time-to-market 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.



SmartCM 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 Aircom

Aircom is a leading provider of RAN analytics, design, and optimization solutions to communication service providers worldwide.

Aircom is a brand that you have known and loved for many years, now backed by the financial strength of TEOCO.

For over 25 years, aircom has enabled mobile operators to automate how they plan, configure, and optimize their networks. This is even more critical when dealing with complex services like fixed wireless access (FWA), 5G standalone, private networks, and IoT, where everything needs to work in harmony to deliver a supreme customer experience. Through advanced analytics, our products provide actionable and measurable insights into network and customer behavior.

Cutting-edge products and services.

Market-leading solutions for addressing today's complex RAN environments.

Innovation is in our DNA.

We have the latest AI/ML-powered algorithms, automation, and new services to revolutionize your RAN.

Trusted by the world's leading service providers.

With 125+ customers in 100+ countries, we have the knowledge and experience you're looking for.

With decades of experience and a customer list that spans the globe, aircom helps its customers improve service quality, resolve network challenges, automate processes, and establish a competitive edge.

Trusted globally

2000+

Users logins into aircom tools daily

125+

CSPs run their networks using aircom tools

100+

Countries with active aircom tools & services