

ASSET Update

An end-to-end automation platform for network data updates in a planning environment.

aircom
A TEOCO Company



A modern end-to-end automated solution for managing telecom's radio network data updates into ASSET Radio.

The Problem: Manual Data Workflows Are Breaking Down

Telecom operators receive large volumes of OSS/CM data that must be imported into radio network planning tools. Traditional approaches are slow, error-prone, and costly.

Key Challenges

Manual Collection

Daily optimization causes configuration drift, while infrequent updates, such as monthly updates, leave planning data largely out of sync with the live network.

Inefficient Capital Allocation

When OSS/BSS and radio planning data do not match, decisions rely on outdated information, leading to suboptimal CAPEX allocation.

No Parameter-Level Control

Without parameter-level control, updates may overwrite manually configured parameters that need to be preserved.

Repetitive Effort

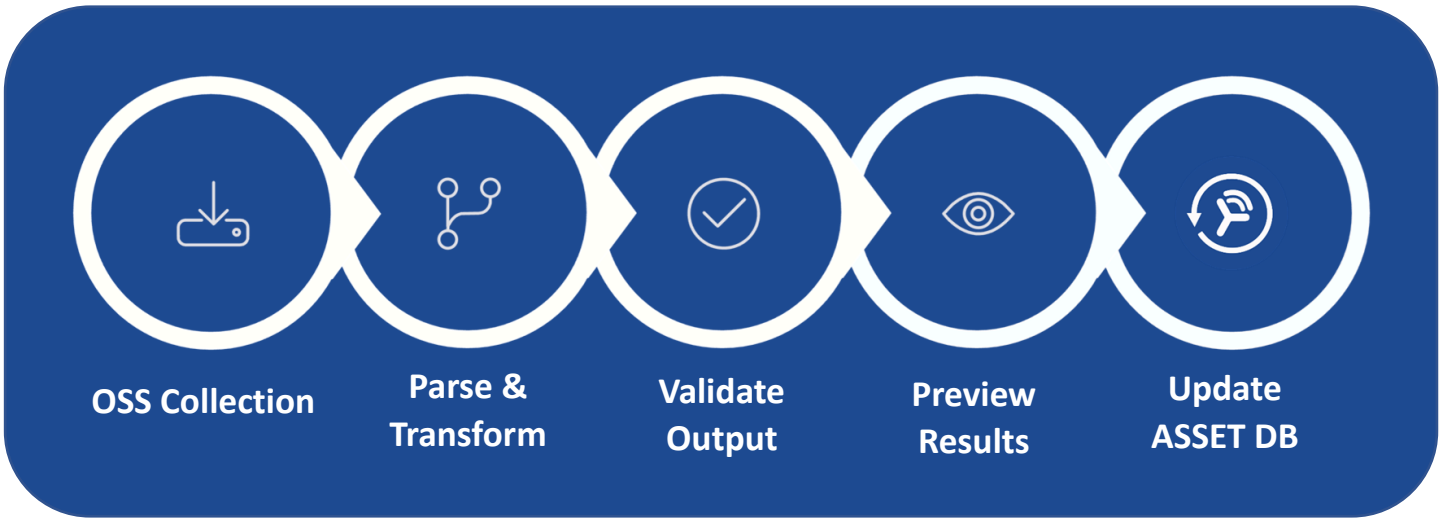
Manual work slows data updates, leaving planning teams working with outdated network information—slowing time-to-market.



Introducing ASSET Update

ASSET Update is our automation solution to keep the ASSET Radio's network database updated. It replaces manual extraction and spreadsheet updates with a structured, scheduled and an automated workflow that syncs the live RAN OSS configuration updates directly with ASSET Radio.

ASSET Update simplifies the management of complex network data, giving planning teams a consistent and reliable foundation for day-to-day radio network planning. It can load physical site data from multiple sources and display PM KPI data in the site database, GIS and for use in planning activities.



RAN OSS CM Dumps are securely fetched as scheduled from all major OEMs, parsed, and transformed into direct inputs for ASSET Radio — updating topology and parameters automatically with no manual intervention.



Key Benefits

Improved Data Accuracy & Validation

ASSET Update reduces human errors and maintains consistent information by validating network data before updates are applied to the ASSET Radio database.

Better CAPEX Utilization

ASSET Update improves data consistency across network environments to support better planning decisions and reduce the risk of inefficient investments.

Multi-Vendor, Multi-Tech Support

ASSET Update manages network data across different vendors (including Ericsson, Nokia, Huawei and ZTE) and technologies (GSM/UMTS/LTE/5G) through a consistent, unified update process.

Reduced Operational Overhead

ASSET Update simplifies database update administration and manual data preparation, allowing teams to focus more on network planning and optimization.

Scheduled Network Updates

ASSET Update allows recurring network data updates on a defined schedule, reducing the need for repeated manual intervention.

Easy-to-Use Dashboard

ASSET Update provides an easy-to-use dashboard that allows users to view, manage, and administer update tasks from an integrated interface.



Use Cases

End-to-End Workflow Automation

ASSET Update automates network data updates from data collection and preparation through validation, updating topology and parameters, reducing repetitive manual tasks.

Multi-Task Workflow Management

ASSET Update manages multiple network update tasks from one platform and replicates standardized workflows across different RAN vendors with minimal setup.

Execution Tracking

ASSET Update monitors update activities and execution progress while maintaining centralized records such as logs to improve visibility, tracking and troubleshooting.



ASSET Update is part of Aircom's ASSET Suite, a comprehensive planning portfolio designed to deliver cost-effective high-performance networks.

The ASSET Suite consists of the following products:

ASSET Radio

Radio network planning.
Coverage, capacity, cell parameter and neighbor planning for wireless networks.

ASSET Backhaul

Wireless backhaul planning.
Microwave link planning, path profiling and frequency interference analysis.

ASSET Design

Automated network design.
Automated optimization of existing cell configurations, as well as the placement of new sites.

ASSET Evo

Web UI for planning tasks.
A lightweight and fast workflow-based UI for common planning tasks.

ASSET Update

Planning tool update.
Update ASSET with actual network configuration settings to enable planning from a valid baseline.

ASSET Geo

Geolocated usage maps.
Enables more accurate radio network planning and network design optimization.



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 30 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 100+ customers in 80+ 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.

