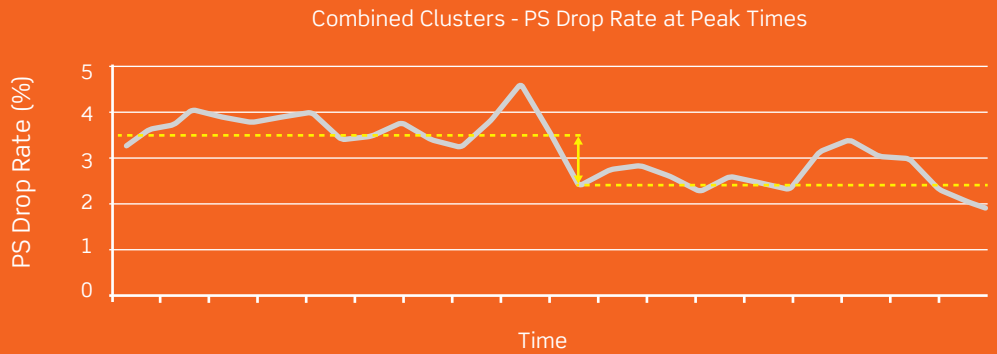


RAN Audit and Optimisation - Results and Impact

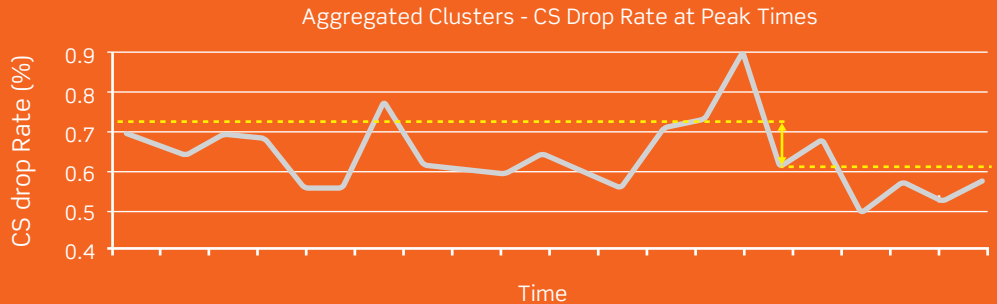
PS DROP RATE IMPROVEMENT

This KPI Graph corresponds to aggregated statistics for 2 clusters. (approximately 15 sites)



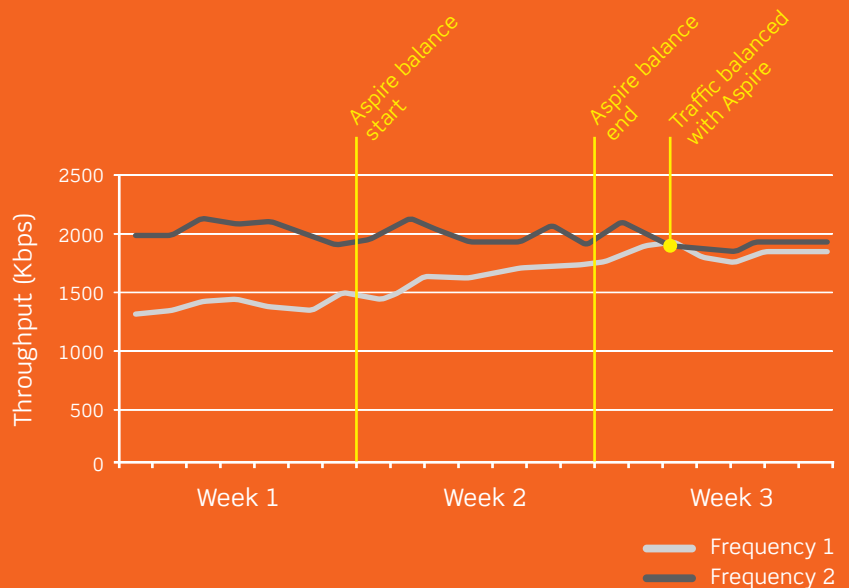
CS DROP RATE IMPROVEMENT

This KPI Graph corresponds to aggregated statistics for 6 clusters. (approximately 80 sites)



TRAFFIC BALANCING

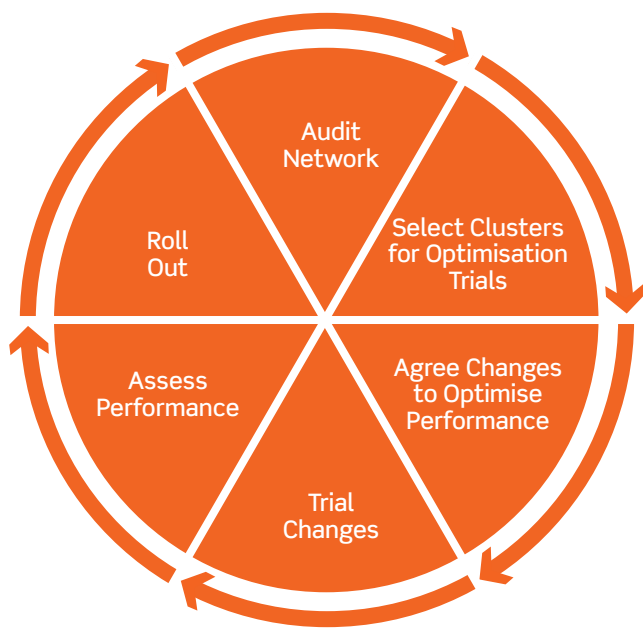
This KPI graph for traffic balancing shows results on RNC level for one of the optimised RNCs, pre and post traffic balancing changes.



How Aspire helped a major Operator in the Americas with optimisation of their Radio Network

Aspire were called upon to carry out a RAN Audit and Optimisation project for a Tier 1 Operator in the Americas. The approach to the project was an initial network audit phase, followed by a subsequent optimisation phase.

Approach



Results

- ▶ Optimised QoE achieved through Traffic Balancing
- ▶ Improved PS Drop Rates by 20%+
- ▶ Improved CS Drop Rates by 15%+
- ▶ Operator saw great value in the integrated workflows between the customer and consultant teams during the engagement period of the project

Deliverables

AUDIT PHASE

- ▶ Key areas of sub-optimal performance were identified in the RAN
- ▶ Areas of improvement were prioritised:
 - Drop rate, Traffic Balancing, and Network Parameter Inconsistencies

OPTIMISATION PHASE

- ▶ Deep dive analysis and troubleshooting were carried out in these areas
- ▶ Network snapshot of performance settings; key drivers for improvement were identified
- ▶ Recommendations were subsequently made:
 - Re-design of RAN traffic steering
 - Optimisation of the RAN through parameter tuning
 - Alignment of Network configuration parameters
 - Resolving missing neighbour relations and primary scrambling code conflicts
 - Trial, assess and rollout of changes

IMPROVEMENTS
PS DROP RATES

↑ 20%

IMPROVEMENTS
CS DROP RATES

↑ 15%

The success of this Audit and Optimisation project has led to a pipeline of ongoing and upcoming projects based on Aspire's strategic recommendations.