Network Rollout, Swap & Migration

NEW SITES, VENDOR SWAPS AND MERGER INTEGRATION

Roll out, swap and merge networks without losing performance

Greenfield rollout, sector additions, vendor swaps, merger integration and RAN and core migration, verified with drive tests at every stage.

SITES ROLLED OUT, SWAPPED OR MERGED
10,700+

ZTE SITES FOR ZONG
4,000+

ERICSSON TO ZTE SWAP
1,200

JAZZ-WARID MERGER SITES
800+

Change vendors safely
Rollout, swap and merger

Drive-tested cutovers
Benchmark, static test, accept



10,700+ sites delivered
For Jazz, Zong, Telenor and Cellcard

Greenfield rollout

New 2G, 3G and 4G sites and sector additions, verified site by site.

4G overlay and MIMO

LTE overlay with 4T4R, 4T6S and Massive MIMO configurations.

Vendor swap

Pre drives, swap and static testing, then post drives and RF antenna audits.

OPERATIONAL CONTEXT

A clearer way to work

Greenfield rollout, sector additions, vendor swaps, merger integration and RAN and core migration, verified with drive tests at every stage.

01

Risky cutovers

A swap or merger can drop coverage and KPIs overnight if it is not tested.

02

Thousands of sites

Large programmes need site-by-site verification without losing pace.

03

Several vendors at once

Old and new vendor equipment must work side by side during the change.

THE CHANGE IN DAILY OPERATIONS

Before	With Rollout
– Cutovers without a benchmark	✓ Pre-drive benchmark for every cluster
– Coverage lost after a swap	✓ Performance recovered by optimisation
– Site status in spreadsheets	✓ Site-by-site verification
– Vendor clashes in mixed areas	✓ Tested multi-vendor coexistence
– Disputed acceptance	✓ Acceptance backed by drive data

AN OPERATIONAL SCENARIO

Swap a vendor without losing the network

An operator is replacing one vendor’s radio equipment with another’s across a region, and must keep coverage and KPIs stable through the cutover.

10,700+
Sites delivered

4
Operators served

Tested
Before and after cutover

Accepted
Against operator KPIs

CAPABILITIES 1

The capabilities that do the work

Explore the core functions of Network Rollout, Swap & Migration and the operational tasks they support.

01

Greenfield rollout

New 2G, 3G and 4G sites and sector additions, verified site by site.

02

4G overlay and MIMO

LTE overlay with 4T4R, 4T6S and Massive MIMO configurations.

03

Vendor swap

Pre drives, swap and static testing, then post drives and RF antenna audits.

04

Merger integration

Combining two operators' radio networks, as in the Jazz–Warid merger.

05

RAN and core migration

2G, 3G and 4G RAN and CS core migration, including EPC swaps.

06

Single site verification

Each site checked for coverage, KPIs and installation before acceptance.

DESIGNED AROUND THE USERS

Mobile operators Expansion, modernisation and mergers.

Network vendors Rollout and swap delivery capacity.

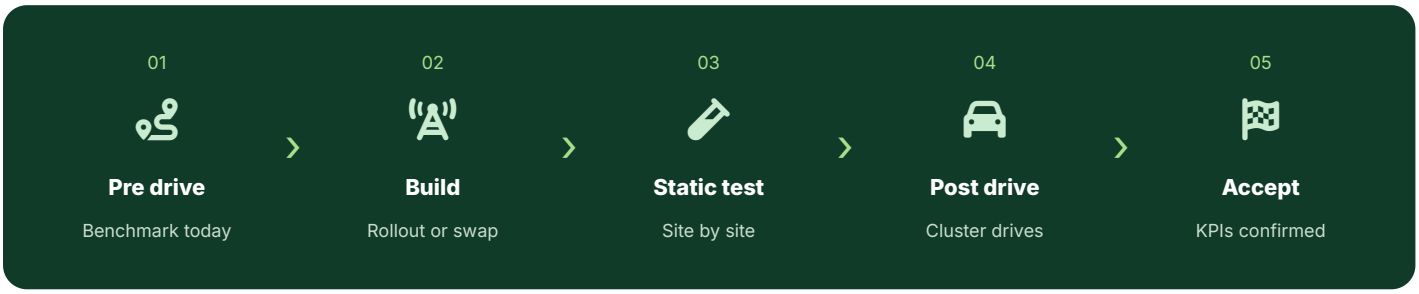
Programme managers Site-by-site progress and acceptance.

Core teams RAN and CS core migration support.

WORKFLOW

From the first step to the outcome

A connected sequence makes the handoffs and responsibilities easier to follow.



01

Benchmark

Pre drives record coverage and KPIs before any change.

02

Execute

Sites are rolled out or swapped to the agreed plan.

03

Test

Static tests and single site verification check each site.

04

Optimise

Cluster drives and optimisation recover any lost performance.

05

Accept

Post-drive reports confirm the network meets its KPIs.

A PRACTICAL WALKTHROUGH

Swap a vendor without losing the network

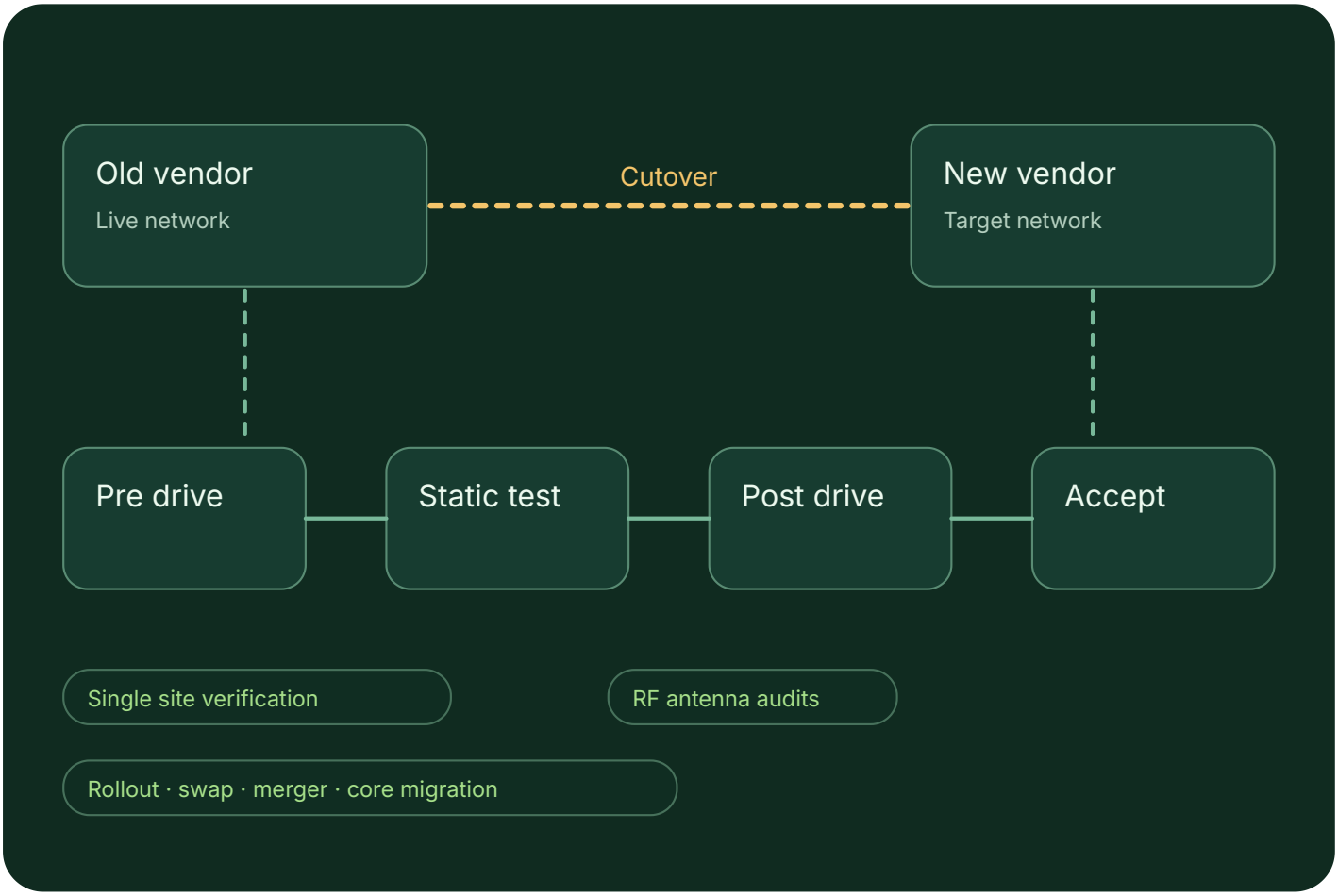
An operator is replacing one vendor's radio equipment with another's across a region, and must keep coverage and KPIs stable through the cutover.

Agree the pre-drive benchmark, the swap and static test plan, and the post-drive acceptance criteria for each cluster before work starts.

ARCHITECTURE & HANDOFFS

Tested before, during and after the change

Every rollout or swap is wrapped in drive tests, so performance is measured before the change and proven after it.



Conceptual product flow · Network Rollout, Swap & Migration

01

Pre drives benchmark coverage and KPIs.

02

Static tests and single site verification check each site.

03

Post drives and optimisation confirm acceptance.

DISCUSS YOUR ENVIRONMENT

Confirm the source systems, responsibilities and integration boundaries during the walkthrough. The diagram explains the product concept; the deployment scope is agreed for your environment.

TRACK RECORD

Work we have delivered

Named programmes where Exceleron Communications has delivered network rollout, swap & migration.

01 Rollout and swap programmes for Zong (CMPAK), Jazz and Telenor with ZTE and Nokia: more than 8,700 sites.

02 Ericsson to ZTE swap of 1,200 Jazz sites, and 800+ sites integrated in the Jazz–Warid merger.

03 RAN and CS core migration for Cellcard, Cambodia, from Huawei and Nokia to ZTE: planning, execution and KPI validation.

10,700+
Sites rolled out, swapped or merged

4,000+
ZTE sites for Zong

1,200
Ericsson to ZTE swap

800+
Jazz–Warid merger sites

TECHNOLOGY 1

Understand the connected pieces

Formats, protocols and tools in the product scope, with plain-language explanations for technical and business readers.

LTE

4G mobile network technology.

MIMO

Multiple antennas at each end of the link, raising speed and reliability.

Massive MIMO

Antenna arrays with many elements that serve several users at once.

4T4R

A radio with four transmit and four receive paths for higher capacity.

EPC

Evolved Packet Core: the core network behind 4G LTE.

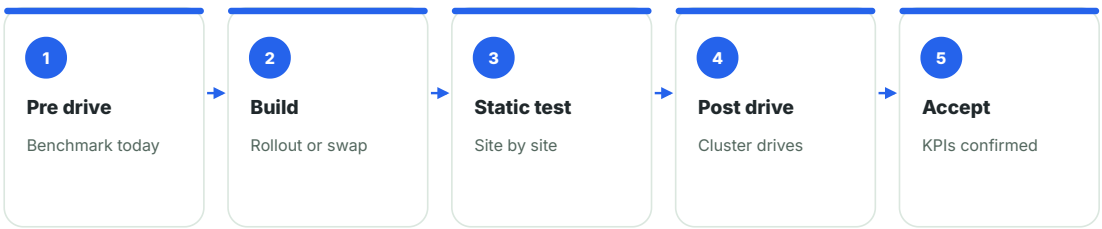
CS core

Circuit-switched core that handles traditional voice calls and SMS.

Single site verification

Checking a new or changed site for coverage, KPIs and installation before acceptance.

THE ROLLOUT OPERATING FLOW



INTEGRATION PLANNING

Agree the source systems, supported versions, data ownership and access requirements during discovery. Validate the relevant interfaces against your environment before production rollout.

SPECIFICATIONS 1

The scope in detail

Use these product details as the starting point for a technical discussion.

Area	Product scope
Zong (CMPAK) · ZTE	Rollout, swap and expansion: 4,000+ sites, 2G/3G/4G, 4T4R and Massive MIMO
Jazz · ZTE	Rollout and swap: 3,000+ sites, 2G/3G/4G, 4T6S, MIMO and FMM
Jazz · Nokia	4G overlay rollout and sector addition: 1,000+ sites, LTE and MIMO
Telenor · ZTE	Rollout and swap: 700+ sites, 2G/3G/4G
Jazz · Ericsson to ZTE	Vendor swap: 1,200 sites nationwide

SPECIFICATIONS 2

The scope in detail

Use these product details as the starting point for a technical discussion.

Area	Product scope
Jazz–Warid merger · ZTE	Merger integration: 800+ sites nationwide
Cellcard, Cambodia	Migration of 2G/3G/4G RAN and CS core from Huawei and Nokia to ZTE, including the EPC

ASSURANCE & NEXT STEPS

Prepare for a successful rollout

Match the product scope to your people, systems and operating requirements.

PRODUCT ASSURANCE

- **Pre and post drives on every cluster**
- **Single site verification**
- **RF antenna audits**
- **Multi-vendor experience**

PLAN THE ENGAGEMENT

01

Discover

Review your current process, source systems, users and constraints. Identify the operational problem the first phase should solve.

02

Demonstrate

Agree the pre-drive benchmark, the swap and static test plan, and the post-drive acceptance criteria for each cluster before work starts.

03

Validate

Agree the applicable product scope, access controls, integration checks and acceptance criteria. Confirm deployment and support responsibilities.

04

Handover

Plan user guidance, operational ownership and support contacts. Confirm the reporting cadence and review process for the agreed scope.

START A CONVERSATION

Explore Rollout with our team.

Bring your operational scenario. We will walk through the relevant workflow and discuss a suitable scope.

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