TELECOMMUNICATIONS

Telecommunications Security Assessment

Security testing for network operators and telecom equipment makers — 5G cores, signalling, CPE and SIM fraud paths — with post-quantum readiness and AI security, inside the legal limits of radio testing.

5G core
INTERFACE-LEVEL

SIM swap
FRAUD PATHS TESTED

CycloneDX
CBOM & ML-BOM OUTPUT

Senior
PRACTITIONER-LED

What we assess

AI security
Network automation and operations AI, and customer-care assistants that can change accounts, numbers and SIMs.

Post-quantum readiness
SIM and eSIM provisioning, subscriber identity protection, network-element PKI, backhaul and interconnect.

Network & equipment testing
Routers, CPE, RAN and core network functions, signalling exposure, management and OSS/BSS platforms.

What you get

- ✓ Findings by network function and interface, version-pinned
- ✓ Authorization between network functions tested, not assumed
- ✓ SIM-swap, port-out and takeover paths across every channel
- ✓ Equipment evidence your operator customers can rely on
- ✓ CBOM and a roadmap tied to procurement and refresh
- ✓ AI-BOM and AI test results for network and care AI
- ✓ One round of retesting to confirm the fixes landed

How it works

1. Scope architecture, equipment and the regulator you answer to
2. Agree lab, staging and maintenance windows, and the stop channel
3. Test interfaces, equipment and fraud paths hands-on
4. Deliver findings by function and channel, then retest

A good fit if

- ✓ You operate a mobile, fixed or private 5G network and answer to a telecom security regime.
- ✓ You make network equipment and operators are asking for security evidence.
- ✓ SIM-swap and account-takeover fraud is costing you money or reputation.
- ✓ You are putting AI into network operations or customer care.

Probably not, if

- × You want cell-site simulators run against a public network — we do not.
- × You want radio testing without a licence or a shielded enclosure.
- × You want a certification-scheme audit — we test; scheme auditors certify.

How we engage

Fixed scope
A fixed-scope proposal at a fixed price. No hourly meter running.

Senior-led
The practitioner who scopes the work does the work and writes the report.

Plain language
One report your engineers and your board can both act on.

Retest included
We verify the fixes landed — one round of retesting is in scope.