



FOR MOBILE OPERATORS

SS7 Firewall

SS7 firewall for signaling fraud and grey routes.

An SS7 firewall with in-line MAP/SCCP filtering between the international STP and your core network. Sender ID control, route validation, SRI-SM cache filtering, content filtering and A2P monetisation, all from a single signaling-layer firewall.

<5ms

inspection latency

99.9%

in-line uptime

17

mobile operator networks served

KEY CAPABILITIES

SS7 signaling inspection

MAP, CAP and SCCP decoded and scored against one policy engine before anything reaches your SMSC, HLR or MSC.

Real-time threat scoring

Each message fingerprinted across origin GT, SCCP addresses, application context and history.

SMS fraud at the signaling layer

MT-ForwardSM validated against a live SRI-SM cache: spoofed senders, A2P leakage and SIM-swap reconnaissance stopped.

GSMA FS.11 categories

Rule packs aligned with GSMA FS.11: Category 1 blocked at the boundary, Category 2 origin-checked, Category 3 velocity-scored.

Location-tracking detection

ATI, PSI, PSL and SendRoutingInfo abuse caught at first contact.

Forensic audit logging

Every decision kept in a tamper-evident store with HMAC-signed event chains; regulator-ready exports.

USE CASES

Location-tracking probes

SMS spoofing and interception

SIM-swap reconnaissance

A2P leakage and grey routes

HOW IT WORKS

- 1 Ingress: international SS7 (SIGTRAN, M3UA) links from roaming partners arrive at the STP.
- 2 Decode: MAP, CAP and SCCP decoded; GT, IMSI and MSISDN normalised for policy lookup.
- 3 Score: FS.11 classification, SRI-SM cache validation, sender ID and route checks.
- 4 Verdict: allow, modify, quarantine, drop or monetise; only validated signaling reaches the core.

INTEGRATION OPTIONS

- SCCP / SIGTRAN signaling peer; SIGTRAN M3UA, M2PA and SUA
- In-line at the STP, out-of-band tap, or hybrid edge + core
- Verdicts can feed your SIEM and fraud platforms
- Regulator export templates and an FS.11 conformance manifest

SECURITY & COMPLIANCE

ISO 27001

ISO 27018

ISO 9001

ISO 22301

SOC 2 Type II

GDPR compliance

Member of GSMA · MEF

Request an A2P revenue and fraud assessment

Talk to the BroadNet operator team about your network and traffic.

www.broadnet.me/operators/contact

Full details

www.broadnet.me/operators/ss7-firewall

