YepShield

YepTelcoSoft

SMS FIREWALL · DATASHEET

An SMS firewall that can explain every decision.

YepShield screens each message before your gateway routes it: spam, smishing, spoofed senders and grey routes. One HTTP call, a verdict in milliseconds, the reasons on the record. Policies move from observe to enforce on measured precision, every decision is audited, and senders can appeal. Built to SUTEL's RCS-151-2026, clause by clause.

CAPABILITIES

- One screen hook per message, outbound and inbound, in milliseconds
- Verdict, action, score, category, reasons and policy revision on record
- Sender registry: entities, identities, protected brands, exceptions
- Origin analysis: class, traceability, international as local, grey routes
- Deny, allow and phrase lists; velocity and campaign detection
- Binary decoding of UDH, WAP Push and OMA CP/OTA; obfuscation normalised
- Policy matrix by category, confidence, class and ingress; three modes
- Measured before enforced; evidence under daily keys, gone after 72 hours
- Hash-chained audit log, four-eyes approvals, appeals with SLAs
- Regulator reports: four-monthly, mechanisms, transparency, access review

TECHNICAL SPECIFICATIONS

Function	Screens each message before routing or delivery
Interface	POST /shield/v1/screen; bearer token per gateway; optional mutual TLS
Gateways	YepMsg (contract 1.3); any SMPP gateway or SMSC that can call the hook
Verdicts	allow, label, throttle, hold, block; downgraded to the gateway's actions
Latency	p50 2.2 ms; p99 budget 10 ms per replica
Analysis	Decoding, origin, registry, lists, velocity, campaigns, binary
Policy	Category × confidence × class × ingress; observe, label or enforce
Records	Decisions 13 months; evidence AES-256-GCM, keys destroyed after 72 hours
Governance	SHA-256 audit chain; four-eyes approvals; appeals with SLAs
Reports	SUTEL four-monthly, mechanisms, transparency, access review
Console	Decisions explained, registry, policies, appeals, subscriber lookup, reports
Deployment	Static Go binary; PostgreSQL and Redis; Kubernetes or Docker Compose

Self-hosted
Your servers or private cloud; Docker Compose or Kubernetes

Managed
Hosted and operated by YepTelcoSoft

24/7 support available
Contractual response times at any hour, as an option

Migration
Trunks, routing, rate decks and historical CDRs

See YepShield on your own traffic.

Request a demo or a technical call. We reply within one business day.

hello@yeptelcosoft.com
yeptelcosoft.com/yepshield/

© 2026 YepTelcoSoft LLC, a Delaware limited liability company. Specifications are subject to change.