



Telecom Software Products
Carrier Neutral, Protocol-Agnostic

2021

Alaris Messaging Tool Kit

SMS Firewall

Keep Your Messaging
Business Protected

National Telecoms and MNOs: Lack of Control over SS7

- Illegal SMS termination to in-country MNOs leads to revenue losses
- Disruption of local SMS interconnect market
- Wide opportunities for unsolicited traffic and SMS fraud



Main Types of SMS Fraud

- Termination of A2P traffic via P2P trunks
- A2P spam
- Spoofing (tweaking of sender ID)
- Smishing (fraudulent SMS aiming at stealing personal data)
- Flooding (high volumes of signaling traffic to cause network outage)

Alaris SMS Firewall to Give You Cover — Always



- Efficient protection for all your SS7 links
- Real-time discovery of fraud instances
- Prevention of revenue leaks
- Pattern-based message text analysis
- Support for SMPP to control IP-based channels
- Tier-1 throughput performance

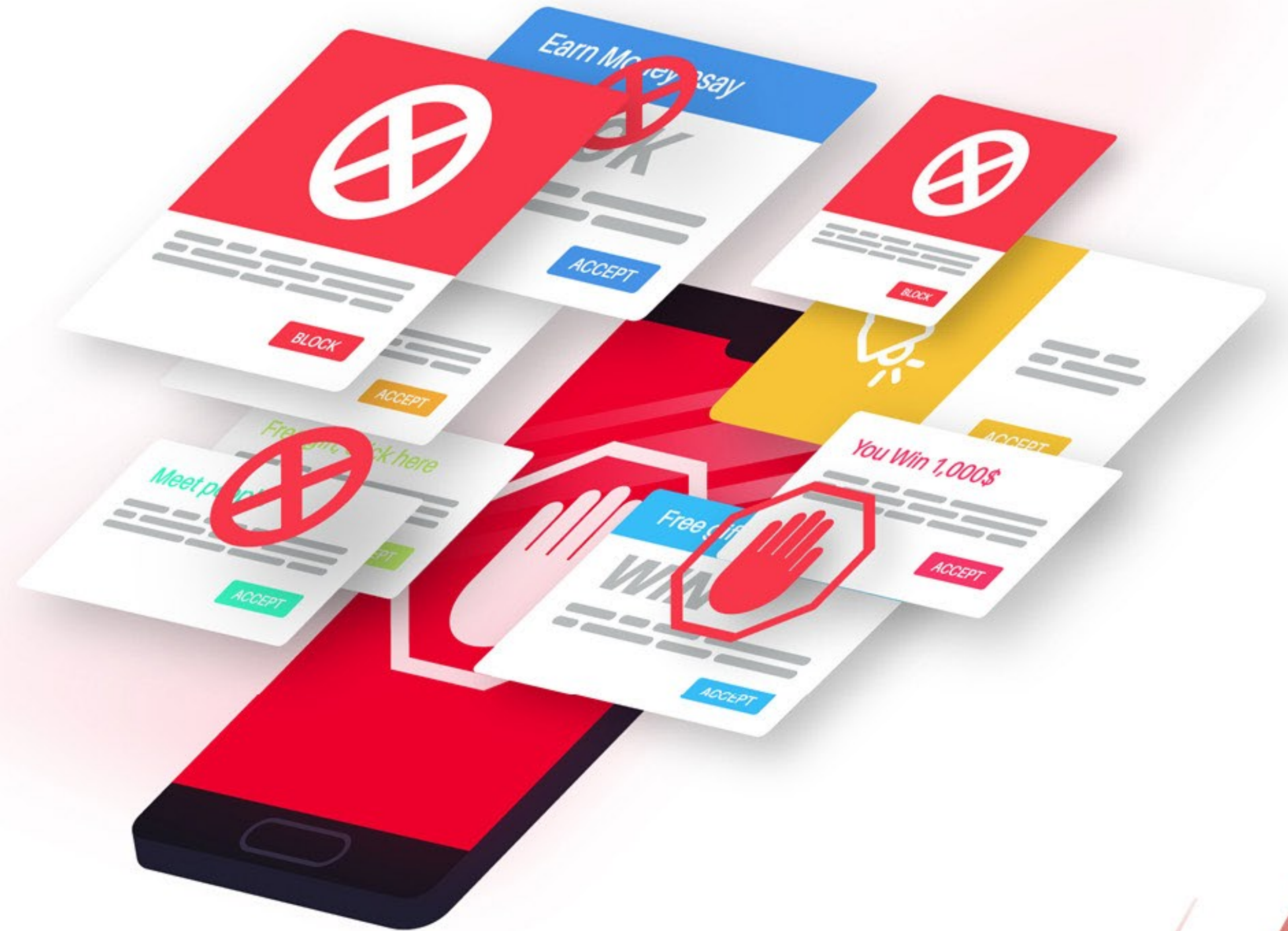
SS7 Traffic Surveillance

- Blocking of traffic with alpha sender IDs (all/non-registered/from a particular GT)
- Blocking of multiple messages from a GT with one and the same sender ID
- Blocking of messages with the SC GT and sender ID belonging to different mobile networks
- Blocking of over-the-threshold traffic from a GT
- Silent drop or configurable error code to be sent to client



SMPP Capabilities

- Blocking of traffic with alpha sender IDs (all/non-registered/from a particular IP-address)
- Blocking of multiple messages from an IP-address with one and the same sender ID
- Configurable error code to be sent to client

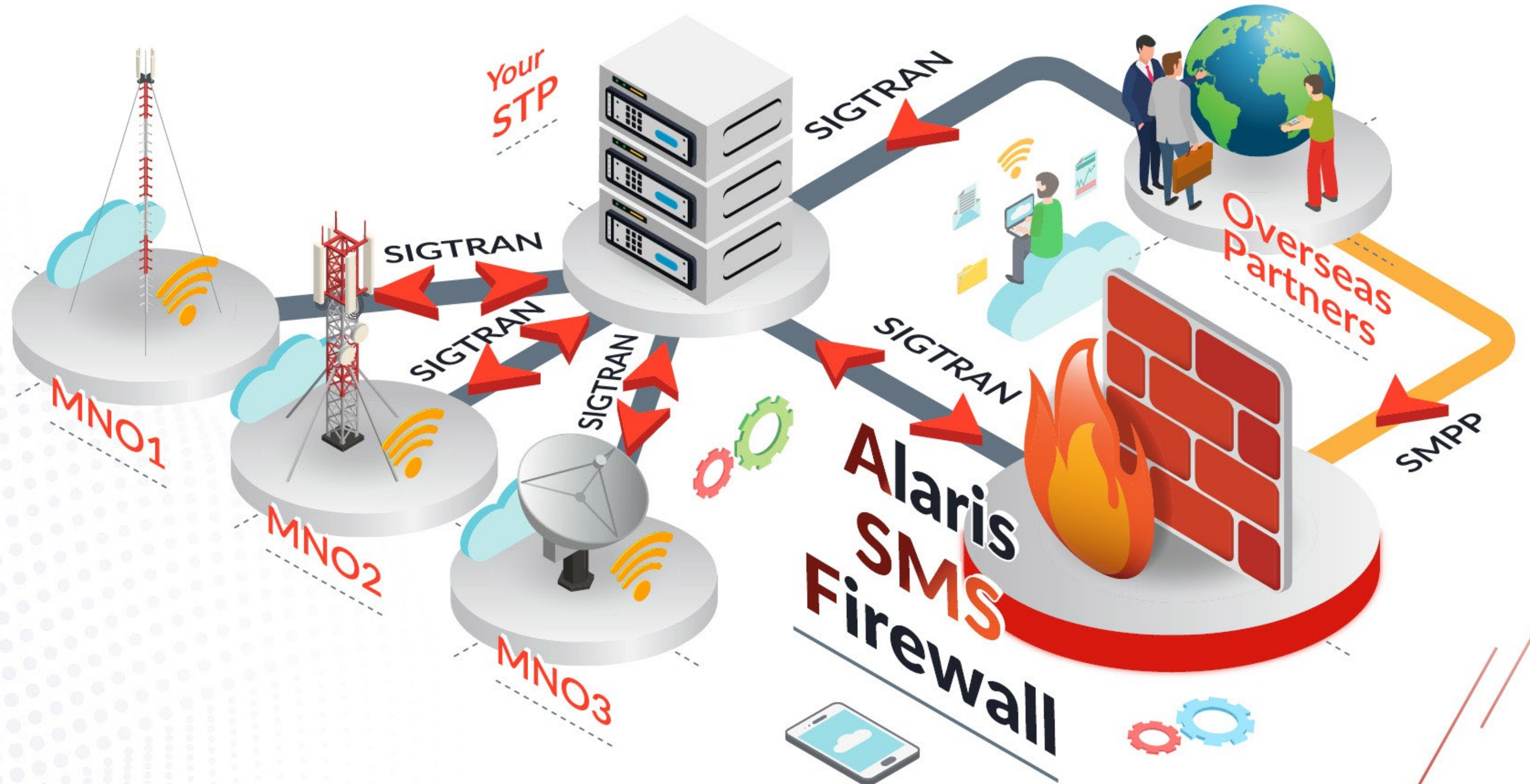


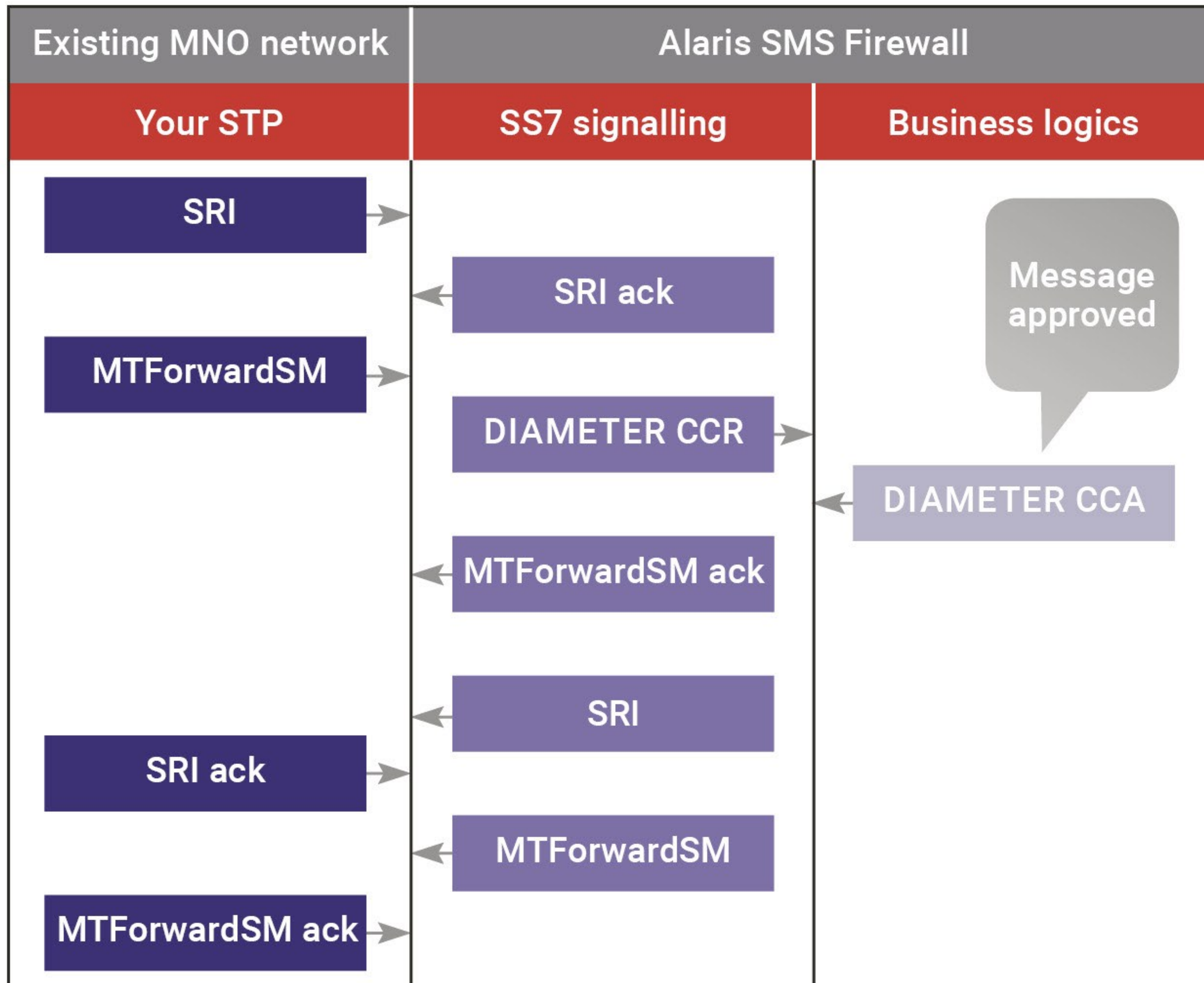


Message Text Analysis

- Support for search lists with different processing logic: black (auto-rejection) and grey (manual choice by operator)
- Blacklisted messages blocked immediately
- Greylisted messages stay pending in the system web-interface awaiting the human decision
- Search strings in any data coding supported (no issue with traffic from China, Middle East etc.)
- Messages can be manually processed one by one or in bulks
- Multi-user access to split the work load between several staff members

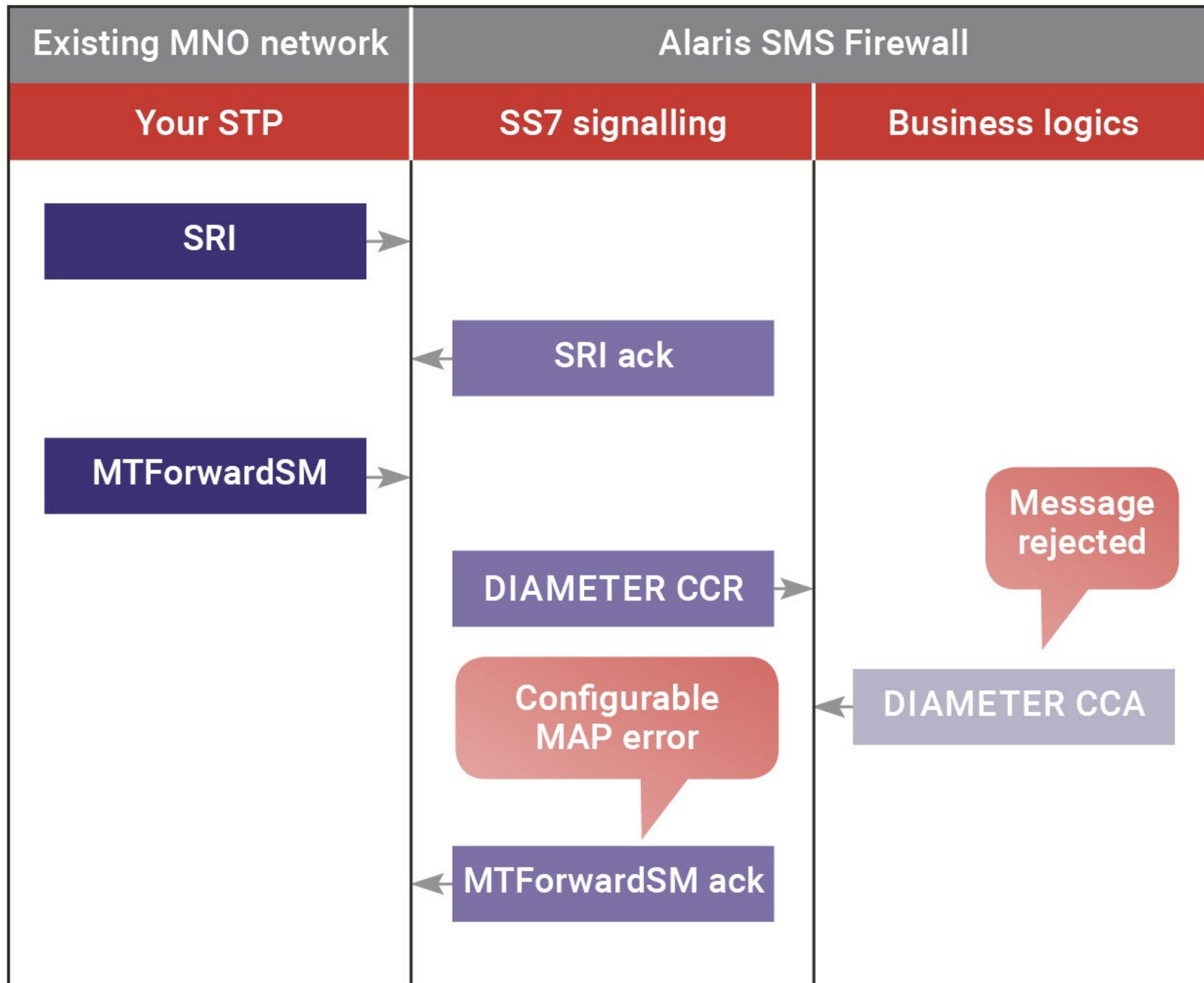
Deployment Scheme





Message Flowchart

Allowed Message

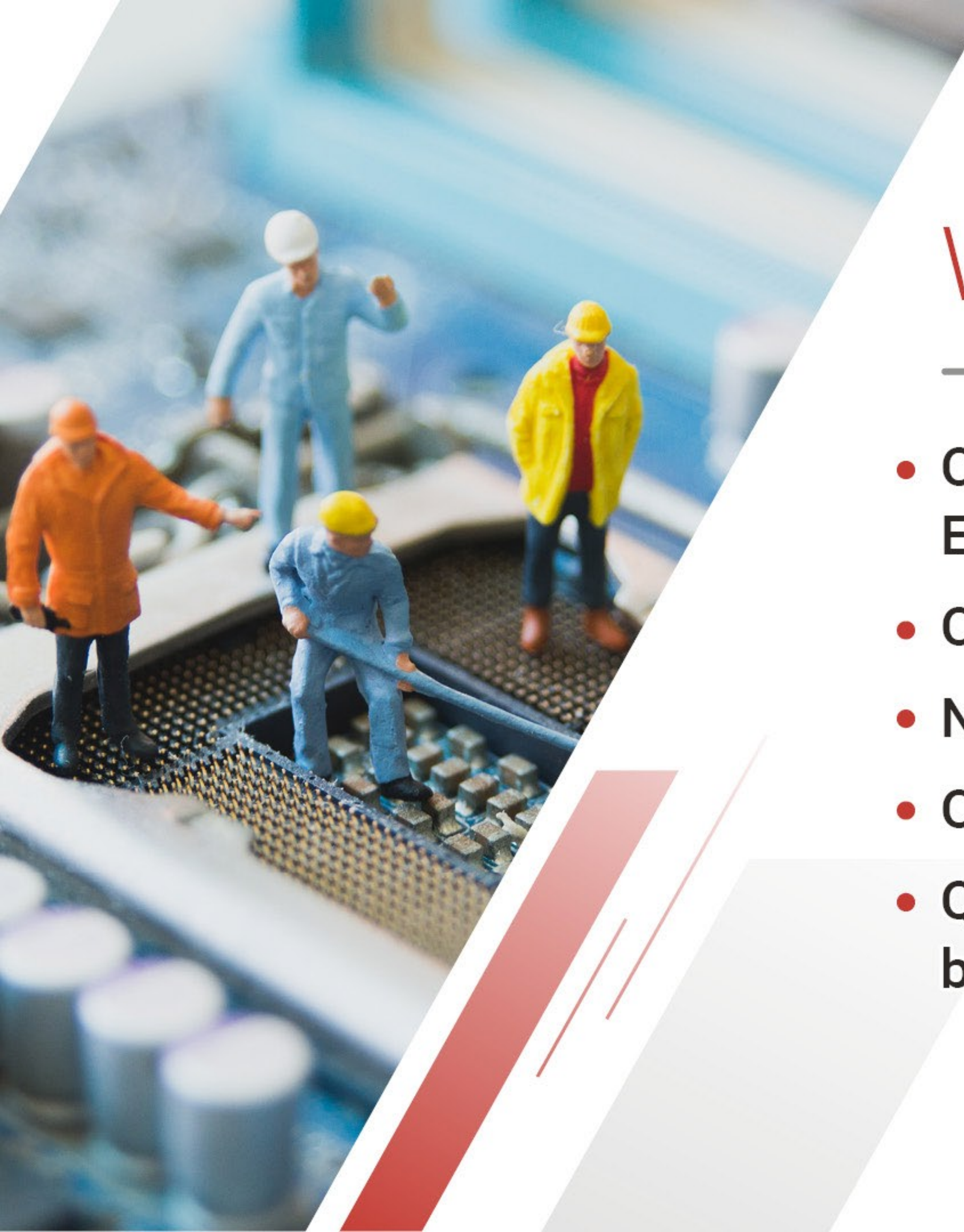


Message Flowchart

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Rejected Message
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We Care About You

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- Quality of our products and service confirmed by 200+ carrier customers in 40+ countries



Thank You!

Questions? Ask us!
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