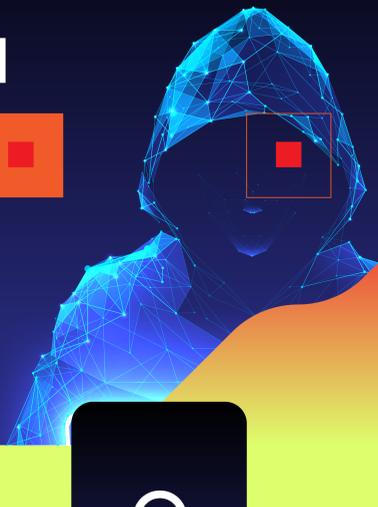


# Spoofing and Telecom Fraud

Past, Present, and What Comes Next

- ▶ Fraud volumes are rising
- ▶ AI is accelerating deception
- ▶ Operators are scaling response



## The Past. Escalation Becomes Visible

Over the last few years, telecom fraud shifted from a persistent nuisance to a material financial threat. Losses climbed, volumes surged, and enforcement intensified across multiple regions



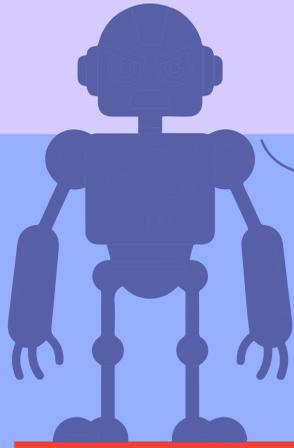
**38.95**

**Billion \$**  
Global telecom fraud losses 2023  
Source: TNSI

**41.82**

**Billion \$**  
Global telecom fraud losses 2025

Fraud losses continued to rise, driven by spoofing, AI-enabled scams, and bypass activity  
Source: TNSI



**135 Million Calls Blocked** ✖

**5 Million SMS Blocked** ✖

**2025 Spain national anti-fraud initiative**  
Governments and carriers increased intervention as call and SMS spoofing escalated  
Source: El País

**21,000+ Illegal SIM Cards Seized** ✖

2025 SIM box fraud crackdown

Infrastructure-level fraud operations were dismantled to combat spoofed traffic and bulk scam messaging

**2.1 Million Fraud Numbers Banned** ✖

India regulatory action  
Large-scale number governance efforts signal systemic fraud pressure  
Source: Times of India

## The Present. AI and Scale Redefine the Threat

Recent data from the telecommunications industry shows a clear acceleration in fraud activity. Attack volumes are high, AI is reshaping tactics, and operators are prioritizing detection and automation

**13.7 Billion Calls**  
Spam and fraud calls flagged globally  
Spam and fraud calls flagged globally

**50%+ of Operators**  
Expect SMS fraud to  
Messaging remains a high-risk channel

**+442% Increase**  
AI driven voice phishing growth  
Deepfake and synthetic voice technologies are accelerating impersonation fraud

**69% of Carriers**  
Rank fraud as a top business priority

**77% of Carriers**  
Plan to increase fraud detection spending  
Fraud mitigation is now a board-level concern

**75% of Operators**  
Use AI or machine learning in fraud detection  
**100% of Service Providers**  
Report automated fraud management systems

## The Future. Escalation or Containment?

Forecasts suggest the industry is at an inflection point. AI-driven fraud may accelerate further, while investments in detection and analytics scale rapidly

**\$17 Billion**  
Projected voice and messaging fraud losses

**~\$45 Billion**  
Projected fraud and security loss peak

**\$36 Billion**  
Projected voice and messaging fraud losses

**\$40 Billion**  
Projected annual AI-enabled scam losses

**4x Growth**  
Forecast increase in generative AI-enabled fraud by 2027

**15.7% CAGR**  
Telecom fraud risk scoring market growth

**\$10.07 Billion**  
Projected fraud risk scoring market size  
Source: Growth Market Reports

**Investment in detection analytics is accelerating**