

Law Enforcement Workshop and Drive Test – A case study



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Objective and background

This presentation is not supposed to be a guide or a how-to, but rather a reflection on a real-world example where this approach was applied.



- **Context:**
 - Presented to a local police force with no prior technical or conceptual knowledge of telecom fraud.
- **Goal:**
 - Secure their support and action on detected fraud cases.



- Fraud can simply be defined as “dishonestly causing loss to another”. In the case of telecommunications, this includes the procurement or use of products or services with the intent to evade payment.
- Fraud moved from just opportunism or a chance to make “free” calls to a multi billion dollar world-wide business.
- As of the latest reports (2023-2024), the estimated global fraud loss in the telecommunications industry is between \$32 billion to \$40 billion annually, according to the Communications Fraud Control Association (CFCA) and other industry analysts.



1. Subscription Fraud
2. International Revenue Share Fraud (IRSF)
3. Bypass Fraud (main objective of the workshop)
4. Other ...



Subscription fraud occurs when a person obtains service via the normal application process.

When committing a Subscription fraud, fraudsters will either use their own identity or forged, stolen, false, amended and assumed identities.

It is important to remember that subscription fraud may lead to more serious frauds.



Evolution of the old Premium Rate Service Fraud
(chat lines, adult content, etc)

Numbers world wide are high-jacked and published in
various websites

Registration is free and offer a wide range of numbers
and pay-back options.

The more minutes are pushed into the chosen
numbers the greater the pay-back

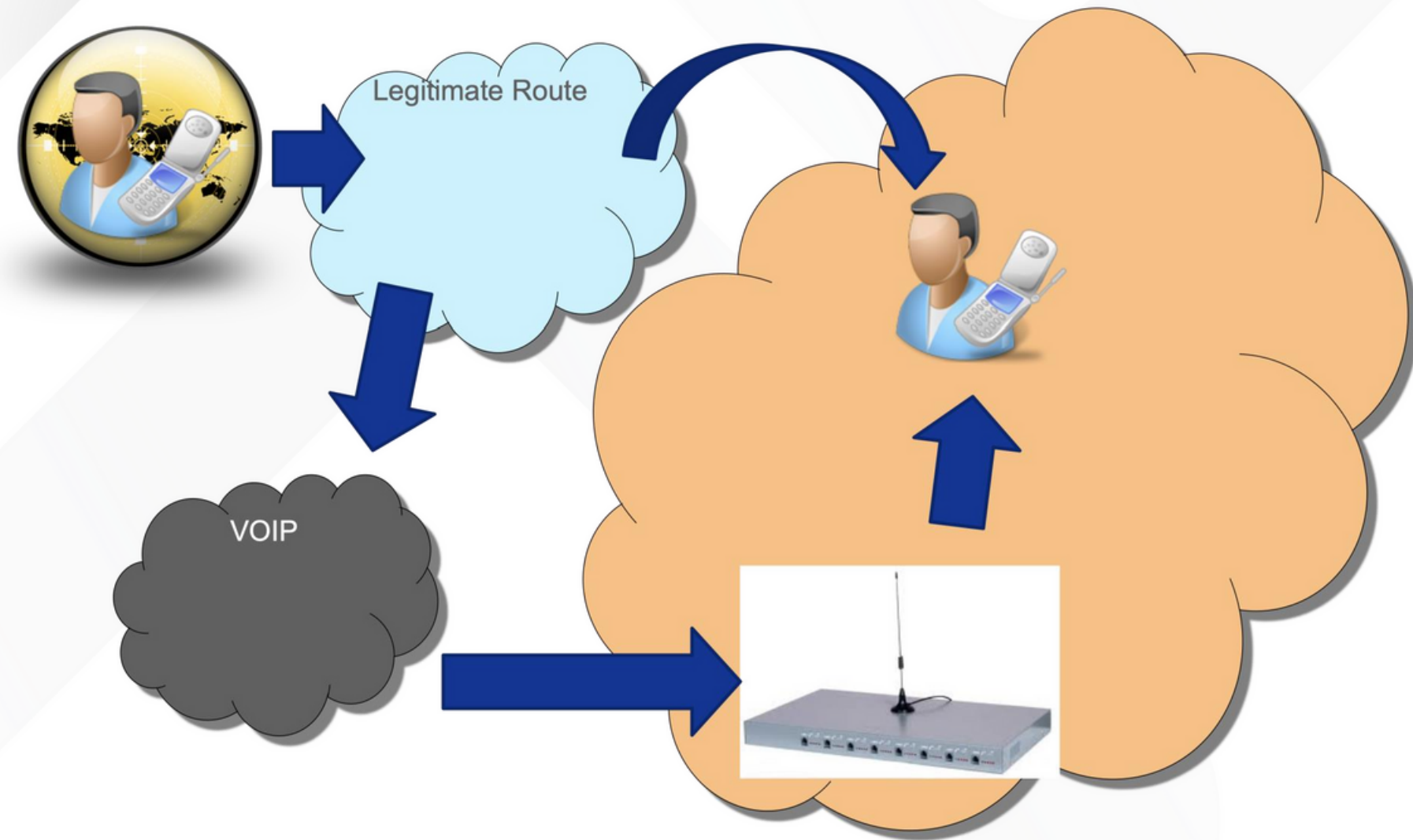
One of the most dangerous, fast and lucrative frauds -
“hit and run”



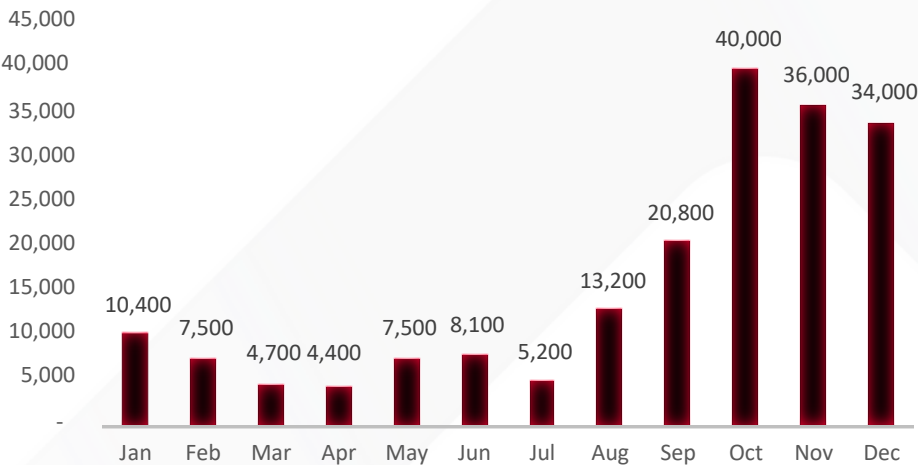
- What it is:
 - Fraudsters use illegal SIM boxes (GSM gateways) to reroute international calls as local calls, bypassing legitimate carriers.
- How it works:
 - Incoming international calls are received via VoIP.
 - SIM boxes convert them to local calls using multiple prepaid SIM cards.
 - Operators lose revenue as calls avoid proper termination fees.
- Impact:
 - Major revenue loss for telecom operators (millions per year).
 - Poor call quality for end users.
 - Regulatory risks (illegal bypass of licensed routes).



Bypass Fraud – SIM Box – How it works

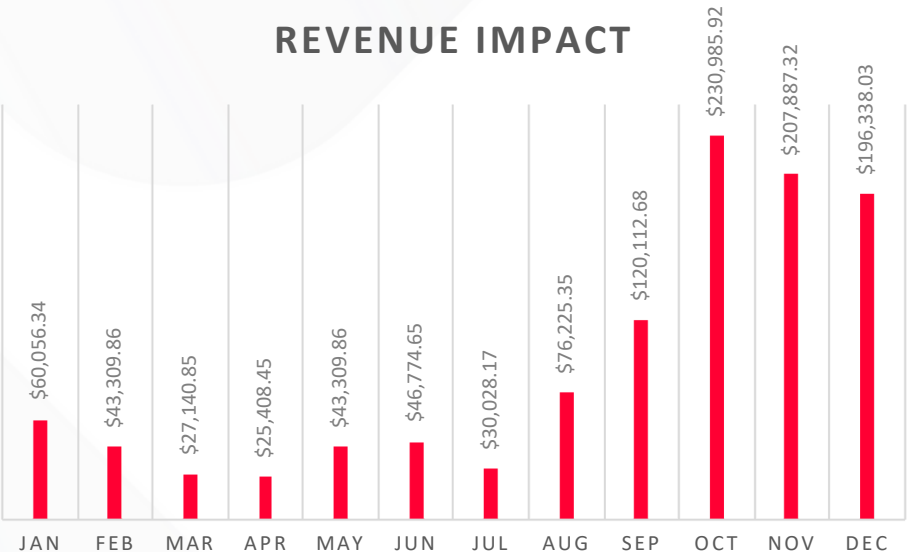


NUMBER OF CASES



YTD: 191.800

REVENUE IMPACT



YTD: \$1.107.577

WHAT WE DO : WE STOP FRAUD



We are the experts, that experts turn to for help.

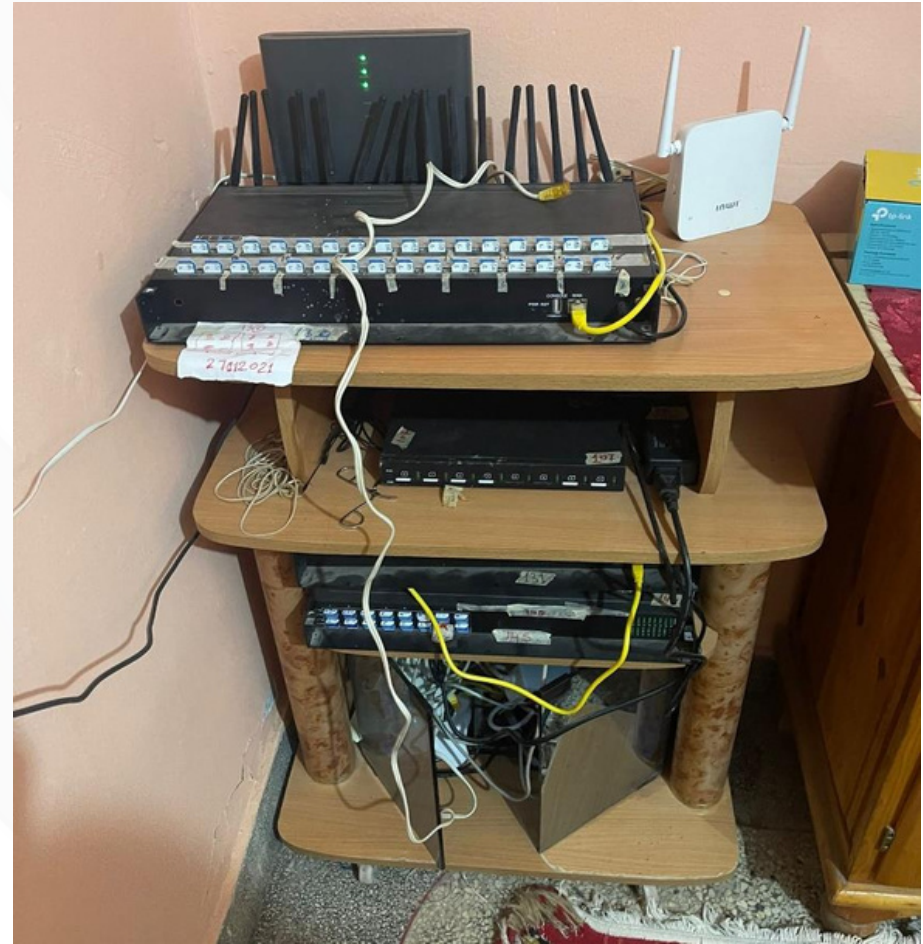


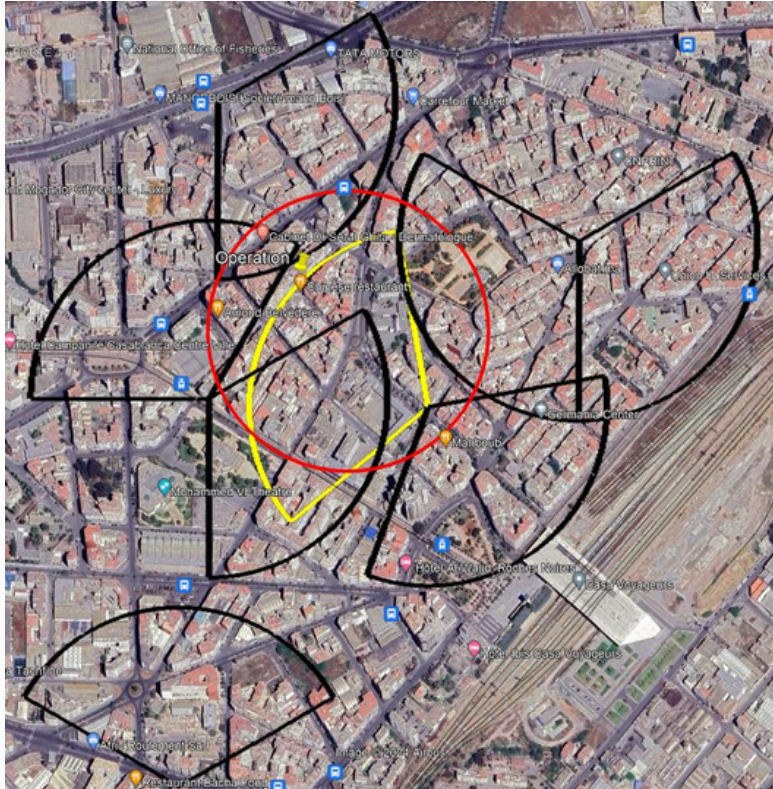
Contact us to know more about
how LATRO's Bypass Shield works.

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1. Direct line of communication
2. Immediate response
3. Field support i.e. building access, etc.
4. Apprehension
5. Media visibility



Thank you.

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