









BICS FRAUD PREVENTION SOLUTIONS

Proactive approach to prevent international and roaming voice fraud




Fraud in international traffic

Since international fraud incidents take place using sophisticated techniques within the home network or when roaming, fraud events are almost impossible to stop before revenue losses and reputational damage have already occurred. The fraud management approach driven by detection – causing inherent delays – have always created opportunities for fraudsters.





-  Lack of control over cross-border traffic
-  A siloed view limits visibility of fraud incidents outside of network boundaries
-  Increasingly sophisticated fraud methods used
-  Fraud is a multinational business
-  Jurisdiction limitations
-  Delayed availability of call data in roaming

Impacts of International telecoms fraud

Financial impact

-  International telecoms fraud costs operators over US\$18 billion annually
-  Losses amount to 1% of global telecom revenues
-  While roaming, a single fraudulent SIM has shown to generate 18 hours of traffic and revenue loss of US\$4,800

Other business impacts

-  Bill shock, subscriber dissatisfaction and churn
-  Pressures on infrastructure and customer services
-  Privacy breaches and regulatory repercussions
-  Reputational damage

Prevent all types of international voice telecom fraud

BICS fraud prevention solutions for international voice and roaming are effective against all types of fraud tied to them, including, but not limited to:

- International revenue share fraud
- Wangiri
- Artificial inflation of traffic
- Arbitrage exploitation
- Premium rate and high-priced destination exploitation
- PBX / IPBX hacking
- Malware originated calls
- Bypass detection and prevention





The network behind the world's top networks





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BICS Crowdsourcing Platform

BICS sits at the heart of global mobile communications, giving it a unique and global multi-network view of quality of international traffic.

 **One in ten** of all international voice calls pass through BICS network

 **25%** of all international roaming signaling passes through the BICS network

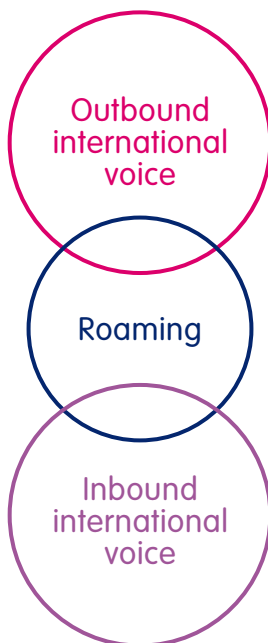
BICS innovative crowdsourcing platform uncovers new fraud attacks ongoing within global international traffic and feeds the intelligence into its fraud prevention solutions for international voice and roaming. This serves as a powerful weapon to not only detect, but also proactively block the majority of international voice telecoms fraud.



BICS international and roaming fraud solutions have blocked over **600 million** fraudulent call attempts in less than five years, saving our customers over **US\$2.2 billion.**

Proactive protection through Fraud Intelligence Repository

Crowdsourcing powered with details of over 50 million known fraudulent numbers collected across our global base of over 1,200 partners. By matching numbers against the database, BICS fraud prevention solutions can identify and automatically block calls from and to any known fraudulent number.



What our customers say...



"...the service has provided great benefits to Swisscom in terms of protecting against international fraud incidents and limiting financial exposure..."

...BICS is a committed and reliable partner and we highly recommend their FraudGuard Fraud Protection services..."

Marcus Schranz, Carrier Relation Manager



"Protecting revenue from fraudulent activity is a key priority for Bouygues and we have already reaped the benefits from adopting BICS FraudGuard platform, with over 200 fraud attempts blocked at the start of this year and no incidences of legitimate calls being prevented – all with minimal input from our operational team."

Thierry Nedellec, Wholesales Manager

