



# TruNumber Protect

fight the fraudsters

Telecom fraud is a constantly evolving issue – the fraudsters are ever more devious, the methods ever more sophisticated. The undesirable result for service providers is substantially depleted revenue due to interconnection-related fraud.

International Revenue Share Fraud (IRSF) causes \$6 billion in annual losses to service providers globally<sup>1</sup>. IRSF manifests itself in artificial traffic inflation, with hacked Private Branch Exchanges (PBXs), subscription fraud and Wangiri fraud as some of the more common methods. IRSF capitalizes on International Premium Rate Numbers (IPRN) and unallocated numbers to perpetuate the sending of fraudulent calls and SMS messages worldwide.

IRSF spans hundreds of countries, and perpetuating this global fraud is criminally simple. There are more than 120 websites offering easy access to IPRN numbers, as well as instructions on how to commit the fraud, and which actually display the rates fraudsters will be paid.

The victims are damaged in a number of ways. Service providers lose money – just one successful PBX hack over a single weekend can cost \$50,000 or more – but they also suffer impact on internal resources constantly struggling to combat the attacks, negative brand perception, and a loss of customer confidence. Subscribers have the unwelcome shock and inconvenience of receiving and challenging unexpected bills inflated by fraudulent activity.

## so how can we help?

Every service provider will have anti-fraud measures in place – the problem is, those ‘solutions’ are reactive. Post-event Call Detail Record (CDR) analysis raises the alarm and plugs the holes caused by the fraudsters after the event. So by the time a fraud is detected, the revenue is already lost.

The only truly effective way to reduce IRSF is to identify and stop the crime before it takes place, on the first fraud attempt. Reduce the financial rewards, and you’ll reduce the fraudsters.

iconectiv® TruNumber Protect is a proactive solution that helps service providers fight fraud. A cloud-based interface provides updated data to fight fraud. This can be combined with a turnkey blocking solution that helps service providers identify suspicious activity as it happens and block suspected fraudulent calls while actually in progress.



<sup>1</sup>CFCA 2017 Global Fraud Loss Study

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## definitive data

The heart of the solution is iconectiv's authoritative, consolidated data comprising information from national regulators, telecom consortiums, industry associations and numbering administrations from around the world.

The TruNumber Protect data provides:

- intelligence on numbering ranges, fake and unallocated numbers for more than 245 countries and territories worldwide
- more than 1.8 million mobile, geographic, non-geographic, VoIP and special service number ranges
- More than 400,000 IPRNs commonly used to commit IRSF fraud
- Mobile Station Roaming Number (MSRN) information

This data is also available to service providers through a cloud-based user interface, or as a service delivered to customers via a secure FTP site. The flexible product options and features are designed to enable easy integration with existing fraud management systems.

Service providers can use the numbering intelligence to:

- make informed decisions about which calls to allow, which to monitor and which to block
- create blacklists and whitelists including trusted roaming partners, partitions and rules
- export various data sets and lists to be used within the customer's Fraud Management Systems (FMS), switches and/or routing tables
- view, manipulate and export Range Holder and IPRN data
- prevent online fraud with number validation

iconectiv TruNumber Protect helps service providers protect themselves and their customers from revenue loss through fraud. Service providers are instantly made aware of suspicious activity on their network, and can quickly and easily identify the sources of IRSF. Fraudulent calls to high risk numbers are proactively identified and blocked in real time.

EE, the UK's biggest and fastest mobile network, has saved millions of dollars since deploying TruNumber Protect, with ROI for the first implementation taking just three months.<sup>2</sup>

iconectiv's TruNumber Protect data has regularly proven up to 99% accurate in identifying fraudulent numbers. Join the world's leading national and international service providers and service provider groups who rely on TruNumber Protect to help safeguard their customers, their revenue and their reputation.

### about iconectiv

At iconectiv, we envision a world without boundaries, where the ability to access and exchange information is simple, secure and seamless. As the authoritative partner of the communications industry for more than 30 years, our market-leading solutions enable the interconnection of networks, devices and applications for more than two billion people every day. We have intimate knowledge of the intricacies and complexities involved in creating, operating and securing the communications infrastructure for service providers, regulators, enterprises, aggregators and content providers. Our 5,000+ global clients rely on us for network and operations management, numbering, registry and fraud prevention solutions. We are proud to be enabling the world of tomorrow by making new connections today. A US-based company, Telcordia Technologies, does business as iconectiv. For more information, visit [www.iconectiv.com](http://www.iconectiv.com)

### make the connection.

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<sup>2</sup> <https://iconectiv.com/sites/default/files/documents/iconectiv%20case%20study%20EE%20United%20Kingdom.pdf>

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