Fraud Management

Success Story

Detecting advanced fraudsters thanks to Enhanced SIM Box detection with Stealth Mode

KEY FACTS

Customer: Mobile Network Operator
SIGOS Product: Enhanced SIM Box Detection with Stealth Mode
Scope: Detection of highly advanced SIM Box fraudsters
CHALLENGES

Counter-detection of test numbers causing low detection rates

Our customer is an operator in Europe and has been using SIGOS’ SIM Box Detection services since October 2012. Virtual number testing gave excellent results until May 2017. During the second half of 2017 however, the detection rate dropped, and it soon became clear that the cause was a counter-detection of the virtual test numbers. When implementing a bunch of new numbers, the detection rate increased again, but only for a few days. Eventually new numbers no longer delivered any results at all. A new approach was needed to deal with the rapidly evolving SIM Box fraud in this region.

SCOPE

Switching from virtual numbers to Stealth Mode

Based on the indications of counter-detection, SIGOS was certain that SIM Box fraud was still present. Not much later, testing in ‘Stealth Mode’ was launched. ‘Stealth Mode’ stands for a cutting-edge technology going beyond virtual number testing. Its patent-pending methodology wipes out any possible counter-detection by calling real subscriber numbers.

RESULTS

Increased detection levels and protection of the network

Stealth Mode was implemented in early 2019 and the detection rate immediately increased from 1% to 10%. The new bypass rate confirmed our suspicions of high-tech fraudsters being present and active in the region. To this day, SIGOS continues detecting SIM Boxes on the customer’s network. Thanks to SIM Box Detection in ‘Stealth Mode’, the customer’s network is protected properly again, and revenue losses remain under control.

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