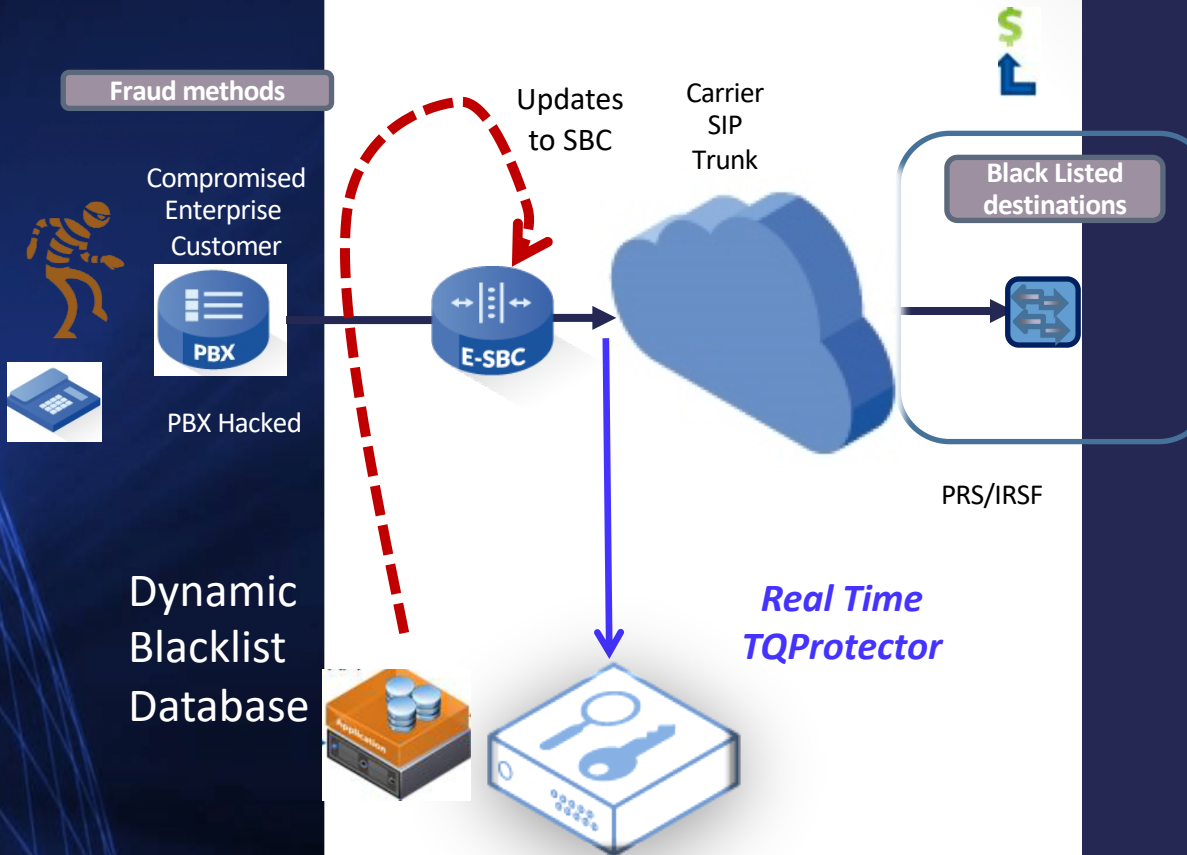


# Teraquant Corporation Capabilities Statement



# Teraquant

Answers, not Data

**ORACLE** Gold Partner

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With the rise in popularity of Cloud communications, end-user accounts are often compromised and combined with Hacking of PBX's, this causes IRSF (International Revenue Share Fraud) which amounts to **\$10.76 billion fraud losses annually** to service providers alone.

According to annual CFA Survey – [www.cfca.org](http://www.cfca.org)



## Only TQ\_Protect Keeps up with the Fraudster, Detecting Stealth Levels of Fraudulent Traffic

In previous years, when a fraudsters was able to compromise your enterprise telephony assets, they would typically generate intense fraudulent traffic seeking to accumulate as much ill-gotten gains as possible in the shortest amount of time. Such attacks have a more alarming profile and as such are now more easily detectable. So, the fraudster has moved on to stealth levels of fraud, making low-level call volume below your radar. These are more difficult to detect with traditional fraud detection mechanisms.

TQ\_Protect is proven to detect a full range of fraud attacks including PBX and Internet Revenue Share Fraud (IRSF). It also gives you visibility and illustrations to show you unusual call patterns that should be further investigated

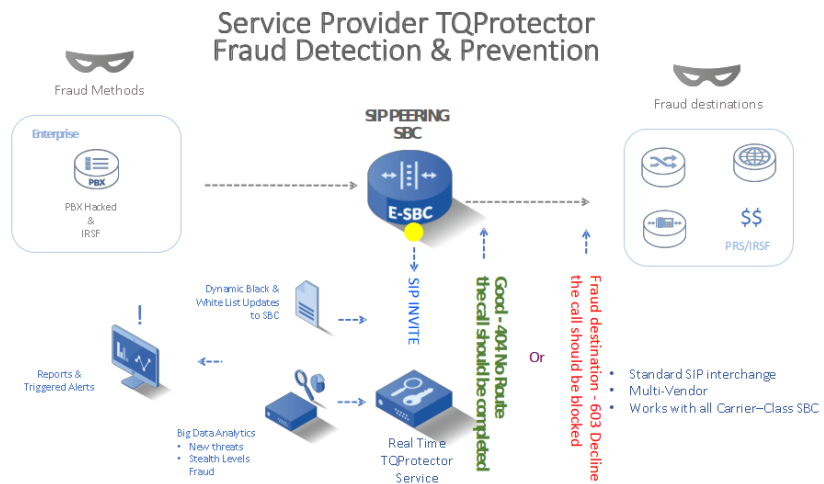
**TQ\_Protect Real-Time Fraud Protection** quickly detects spikes and anomalies in calling activity—*much faster* than CDR analysis—and sends an alert to your SBC, automatically blocking the fraudulent calls. Other calls with normal call patterns continue uninterrupted.

The software is *self-learning*. It calculates fraud thresholds based upon your historical call patterns, using controls that you can adjust to fine-tune fraud alert handling.

Detects and prevents common telecom fraud attack profiles, including:

- International Toll Fraud, IRSF
- Slow traffic-pumping
- Fraudulent calls to Caribbean & domestic “free Conference Service”
- Stealth Fraud
- Robocalling
- Wangiri – One-Ring scams

Here’s how its implemented



## Real-Time Fraud Prevention

TQ\_Protect™ is a real time fraud detection mechanism to alert you to fraud attempts. A number of flexible mechanisms are available to ensure real-time detection and protection is achieved depending on your SBC vendor and the preferred internal process for your NOC to be informed.

Several deployment models are offered. The blacklists can reside inside the SBC, typically in the Local Routing Table (LRT) or they can be deployed to augment the coverage of your on-site fraud server such as Oracle OFDM [Fraud Detection Monitoring] or Teraquant's cloud hosted blacklist & rapid ML based call pattern analysis service

## Why Teraquant

Core to our value system is the philosophy of the man who invented modern business management, Peter Drucker *“If you can’t measure it, you can’t improve it.”* Our roots are in test and monitoring which is the foundation of **quality**. We build-in **Service Assurance, benchmarking, KPIs and security monitoring**. This allows you to baseline improvements and when troubleshooting, to readily access settings and scenarios of a working example.

Uniquely, we ensure products are implemented as solutions, on your hardware or virtual infrastructure, interwork with your network and your partner’s networks, in **private cloud or public cloud** and exceed on expectations. We also proactively manage the vendor interface and get the best out of our vendors for you

*We promised never to finger point. Troubleshooting and getting to root cause quickly is what our company has been built on. We pledge we will never blame others. We will just get right to the point and provide proof of the root cause of the problem.*



### The Teraquant no finger-pointing pledge

For further information, click here:

<https://www.teraquant.com/product-solutions/tqprotector>

Or please contact us at [Info@teraquant.com](mailto:Info@teraquant.com)

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Network Monitoring and Service Assurance - Speech Quality Experts (PESQ/POLQA) and Active Testing - Reporting – HPBX - Session Border Controllers – Session Vector Routing and SD WAN - Big Data Analytics - VoIP Fraud Management

