

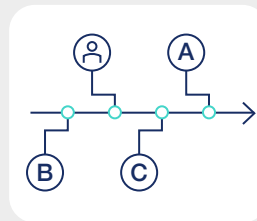
TNS Call Guardian

Protect Your Subscribers by Delivering Real-time Reputation Profiles

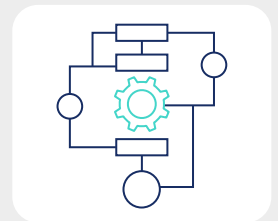
TNS Call Guardian is an industry-leading solution that uses real-time call events combined with crowd-sourced data to create accurate and comprehensive reputation profiles differentiating legitimate users of communications services from abusive, fraudulent and unlawful users.

- **Accurately** detect robocalls and caller ID spoofing to help subscribers avoid answering unwanted and scam calls
- Stop **scammers** by delivering reputation profile and help subscribers avoid unwanted fraudulent calls
- Empower subscribers with a visual warning of **suspicious** callers
- Safeguard that legitimate local calls go through with **neighbor** spoofing detection
- Ensure subscriber information is **securely** protected

TNS Call Guardian is the most accurate reputation profile solution in identifying call spoofing and unwanted robocalls in real-time. The platform uses a layered approach and big data analytics to deliver reduced costs and a better customer experience for carrier subscribers.



Data Sources



Machine Learning Algorithm



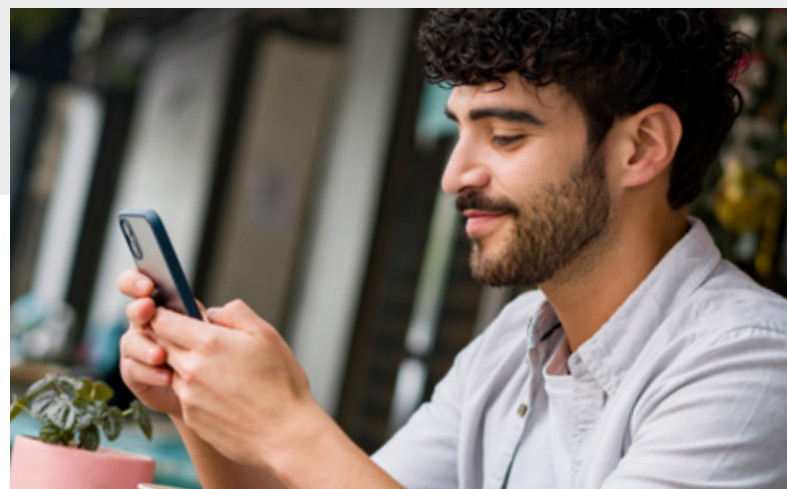
Real-time Robocall +/- Scoring



Block Fraudulent Calls

The FTC received 4.1 million robocall complaints in 2021, up from 4.1 million the prior year. Robocall bad actors continue to adjust their strategy to elude detection. The time is now to improve your subscribers' call experience.

Report a robocall at our website,
reportarobocall.com



Features

- **Insight** - Analysis of over 1 billion call events daily across more than 500 operators.
- **Reputation profiles** - Caller reputation on over 1 billion telephone numbers.
- **Real-time scoring** - Detect problems as they occur.
- **Accuracy** - High quality of identifying bad actors, including neighbor spoofing.
- **Layered approach** - Support for Do Not Originate, invalid, unallocated, unassigned numbers, STIR/SHAKEN and big data analytics using machine learning.
- **Crowd-sourced feedback** - To supplement analytics.
- **Security** - Doesn't require access to subscriber contacts.

Benefits

- **Reduce calls into customer care** - Provide your subscribers with caller reputation of incoming calls and reduce the calls into your care organization to report spam.
- **Reduce customer churn** - Decrease the chance of your subscribers falling prey to scams and fraud.
- **Increase Net Promoter Score** - Provide your subscribers with the tools to combat unwanted calls.
- **Privacy** - Protect the privacy of your subscribers, doesn't need access to subscriber contacts.
- **Reduce network costs** - Doesn't require simultaneous ring or honeypots to identify bad actors.
- **Ubiquitous solution** - Supports multiple network protocols (SIP, AIN, ENUM, Wireless) and integrates with major Telecom Application Servers.



The Most Trusted Partner for Solutions for Telecommunication Carriers or Providers

TNS addresses the evolving needs of network operators around the globe. As the industry evolves to IoT and 5G technologies, TNS leads the development of solutions to help carriers navigate a host of infrastructure complexities and maximize their network reach through the creation of unique multi-service hub solutions.

To find out more about how TNS can help you with a wide range of telecom solutions:

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