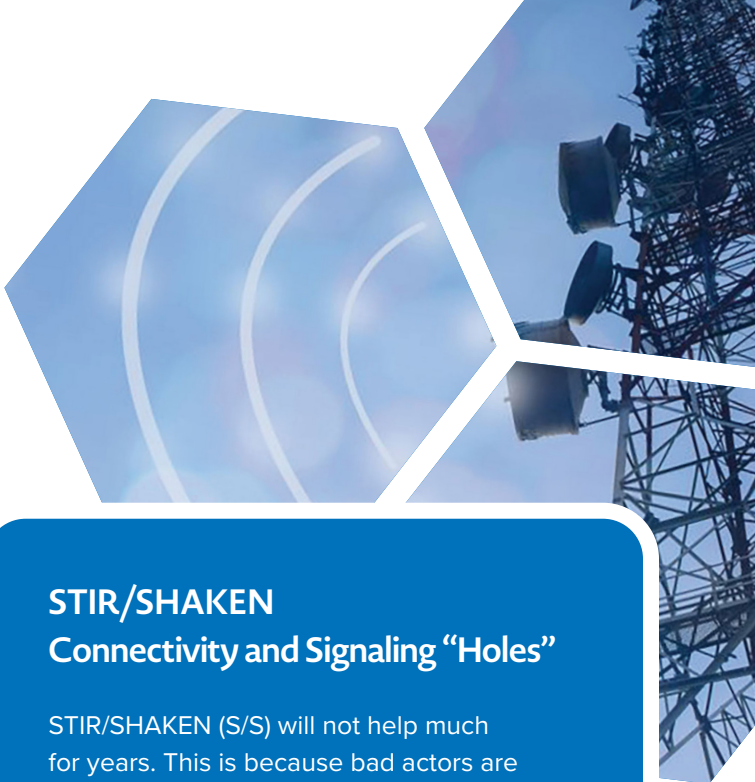




## Robocall Mitigation for Communication Service Providers and Vendors

YouMail Protective Services™ works with communication service providers and vendor-partners to eliminate unlawful voice and text campaigns. We protect our CSP customers and their vendor infrastructure with robocall mitigation services that detect and interdict unwanted traffic that would otherwise originate, traverse, or terminate networks.

- Reduce compliance risk by identifying problematic numbers immediately and being able to immediately shut down any number that behaves illegally
- Supplement “know your customer” to detect illegal behavior faster
- Data to demonstrate cleanliness of network
- Reduce provider risk from FCC fines and actions
- Reduce the risk of lawsuits, bad press, and lost customers due to noncompliance, fraud, etc
- Save IT resources by outsourcing to the subject matter experts
- YouMail PS solutions are more accurate due to our millions of data points



### STIR/SHAKEN Connectivity and Signaling “Holes”

STIR/SHAKEN (S/S) will not help much for years. This is because bad actors are constantly looking for the path of least resistance.

One concern with S/S is Time Division Multiplex (TDM) holes as the interconnection between rural telecom operators and networks remains TDM/SS7.

These connections are anticipated to convert to VoIP/SIP for potentially many years. The implication is that calls originated from rural operators that are authenticated (STIR) will be ineffectual in terms of validation (SHAKEN) as the S/S token will be lost prior to reaching terminating carrier networks.

### Service Provider Solutions



#### YouMail PS Compliance

YouMail notifies you of any illegal behavior originated by any number in your network

##### How?

- YouMail is provided a list of your TNs and uses our sensor network to detect problematic behavior with those numbers

Current Watch product



#### YouMail PS Compliance Plus

YouMail notifies you of any illegal traffic entering or traversing your network and shuts down problematic traffic

##### How?

- YouMail is also provided CDR access and evaluates all call traffic to find calls from other numbers that were misbehaving
- Daily analysis and returned results of problematic calls

Current Watch plus Clear products

## Identify unlawful calls

The FCC has made combatting unlawful robocalls and malicious caller ID spoofing a top consumer protection priority.

By proposing and implementing impactful policy initiatives and pursuing strong enforcement actions, the FCC takes action to protect and empower consumers.

YouMail PS helps prevent providers from becoming a target of bad actors.

## Avoid FCC Cease & Desist letters

The FCC has been issuing more and more C&Ds to carriers, putting your business at risk:

- Cease & Desist: 3/18/21 - Icon Global, IDT, RScom, Stratics, Third Rock, Yodel Tech
- 4/13/21 - R Squared, Tellza
- 10/21/21 - Duratel, Primo, PZ/Illum
- 2/10/22 - Great Choice
- 2/10/22 - TCA Voip
- 3/22/22 - thinQ, Airespring, Hello Hello Miami

## Avoid the ultimate risk

Don't take the ultimate risk -- becoming defunct due to noncompliance or poor management.

## We partner with some of the best communication service providers in the industry.



## About YouMail PS

YouMail Protective Services™ protects service providers, enterprises, and consumers from harmful phone calls. YouMail protects service providers with robocall mitigation services that detect when they are originating, carrying, or terminating bad traffic on their networks. YouMail protects consumer-facing enterprises by helping detect and shut down imposter traffic that can lead to financial or brand damage. YouMail protects consumers with app-based call protection services.

YouMail Protective Services™ communications platform handles over a billion calls per year for over 10 million users, and the YouMail Robocall Index™, since its launch in September 2015, has emerged as the nation's definitive source on robocalling data for telecom carriers, smartphone and app companies, and public policymakers.

YouMail Protective Services™ is privately funded and based in Irvine, California. For more information, visit [www.youmailps.com](http://www.youmailps.com).