



On a mission to establish trust in the communications industry.

# The Current State of End-to-End Secure Call Delivery and Verified Identity Authentication

SIPNOC 2024

# Know Your Panel



## Moderator

**Pierce Gorman**, Distinguished Member of the Technical Staff,  
Numeracle

## Panelists

**Rebekah Johnson**, Founder & CEO, Numeracle

**Mary Anne Connor**, Senior Vice President, Senior Technology  
Manager, Bank of America

**Matt Williams**, Assistant Director, Consumer Protection Branch,  
US Department of Justice

**Alec Fenichel**, Chief Technology Officer, TransNexus

A diagram consisting of five interconnected, rounded hexagonal shapes arranged in a circle. The central shape is dark purple and contains the text 'End-to-End Security & Trust'. The other four shapes are white with purple text: 'Enterprise Identity' (top), 'Verification Methodology' (top-right), 'Regulatory Enforcement' (bottom-right), and 'Fraud in all Channels' (bottom-left). The background is a blurred image of people's hands holding smartphones.

Enterprise  
Identity

Verification  
Methodology

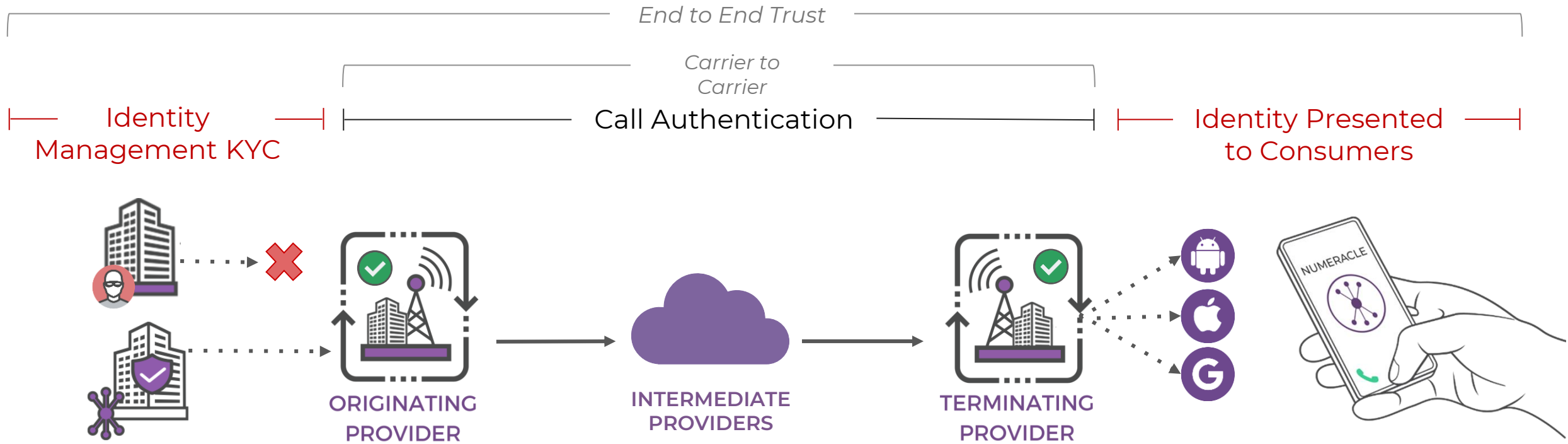
Regulatory  
Enforcement

Fraud in all  
Channels

End-to-End  
Security & Trust

Answering  
Ecosystem Needs

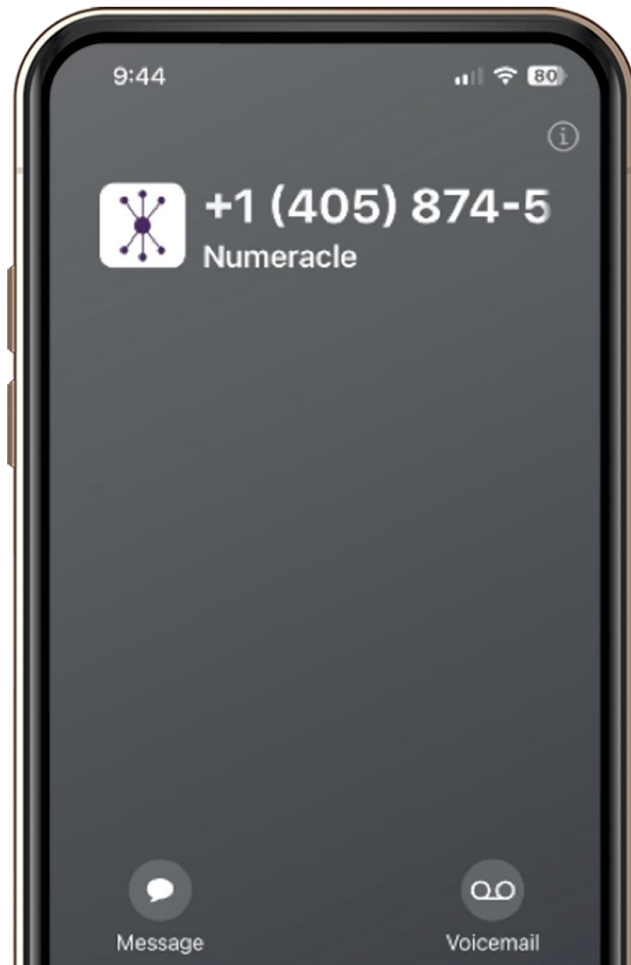
# Leading with Identity + KYC to Elevate Good Callers



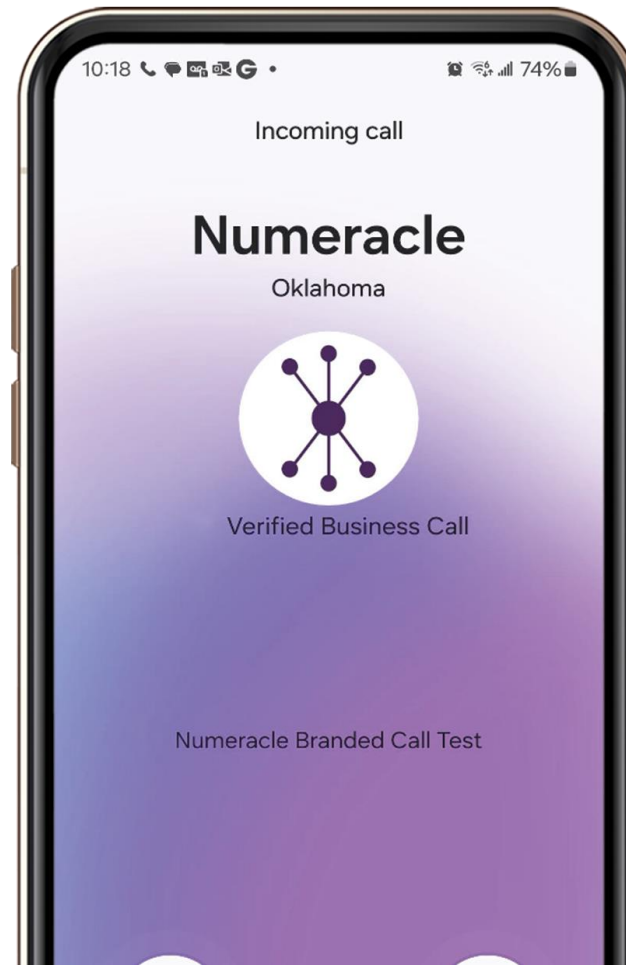
# Delivering Trust with Secure Identity Display

Real Screenshots of Numeracle's Secure Verified Identity Presentation (sVIP) Solution

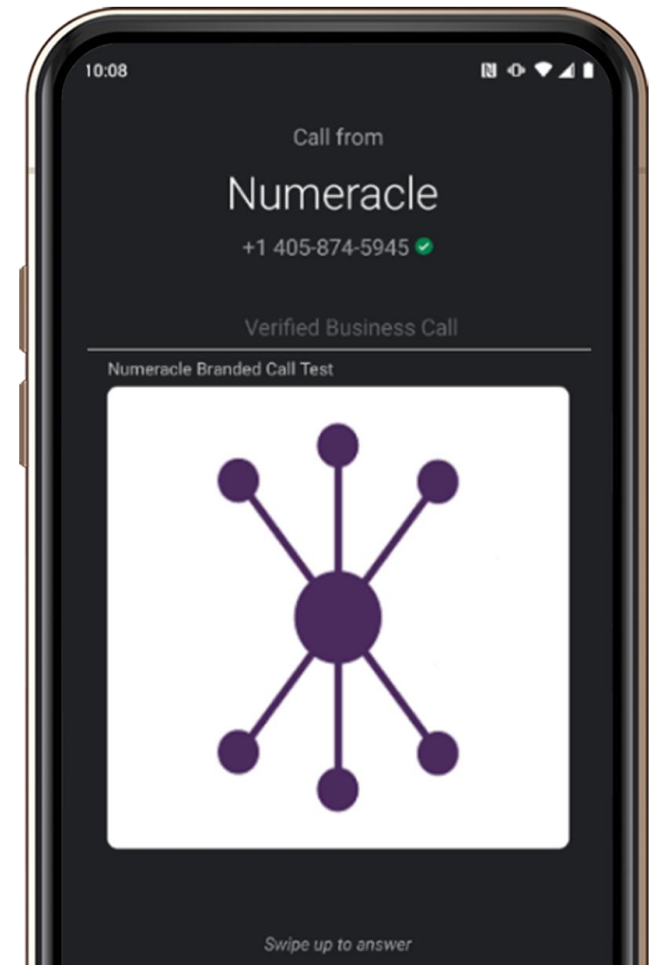
Apple Device  
iPhone 14 (unlocked)  
iOS 17  
NAME, LOGO, CALL REASON  
12/18/2023



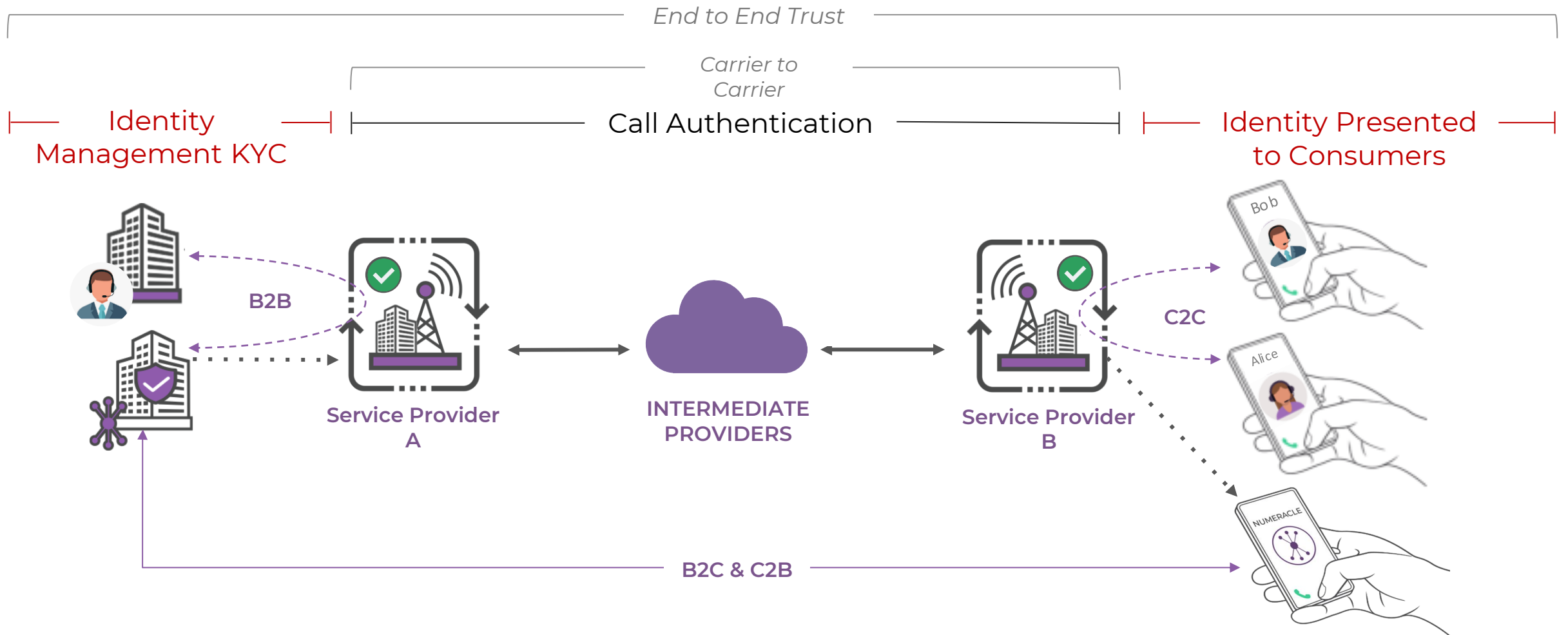
Samsung S22  
NAME, LOGO, CALL REASON  
12/18/2023



Motorola 2022  
NAME, LOGO, CALL REASON  
12/18/2023



# The Future of End-to-End Authenticated Calling





# Identity Fraud in the Voice Channel

Identity fraud represents about **35% to 40%** of all scams undergone in telecom

Impersonation or Phishing Scams ● IRS or Tax Scams ● Lottery, Vacation, or Prize Scams ● Auto Warranty/Renewal Scams ● Charity/Donation Scams ● Fundraising Scams ● Debt Relief/Loan Scams ● Medical Alert Scams ● Voice Verification or 2FA Scams

**\$39.8 BILLION**

Revenue is lost globally to fraud in 2022

**\$10 BILLION**

Lost by Americans in 2023 to identity fraud via scam calls

**\$38.6 BILLION**

Revenue lost in the U.S. since 2020 to identity fraud

**2.5% REVENUE**

Business revenue is lost to identity fraud each year

**T-MOBILE**

Identified or blocked **19.8 billion** scam calls in 2023, equaling 628 spam calls made every second.

Source: <https://cybernews.com/news/twenty-billion-scam-calls-repelled-t-mobile/>

**VERIZON**

Protected wireless customers from more than **8.2 billion** unwanted calls in 2023, detecting more than 42 billion unwanted calls to date.

Source: <https://www.verizon.com/about/news/verizons-call-filter-app-update>

**AT&T**

Reports they have increased spam call blocking to **1 billion** calls blocked per month.

Source: <https://about.att.com/story/2021/robocalls.html>



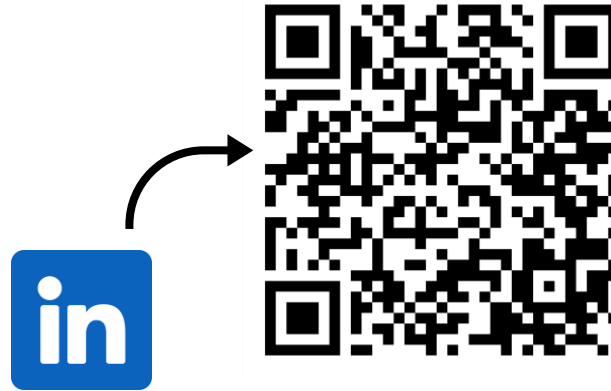
Sources:

- <https://cfca.org/telecommunications-fraud-increased-12-in-2023-equating-to-an-estimated-38-95-billion-lost-to-fraud>
- <https://www.thalesgroup.com/en/markets/digital-identity-and-security/mobile/inspired/identity-fraud-in-telecommunication>
- <https://javelinstrategy.com/research/2023-identity-fraud-study-butterfly-effect>
- <https://www.ftc.gov/news-events/news/press-releases/2023/02/new-ftc-data-show-consumers-reported-losing-nearly-88-billion-scams-2022>



### Pierce Gorman

pierce.gorman@numeracle.com



### Rebekah Johnson

rebekah.johnson@numeracle.com



### Mary Anne Connor

mary\_anne.conner@bofa.com



### Matt Williams

Joseph.M.Williams@usdoj.gov



### Alec Fenichel

alec.fenichel@transnexus.com

