

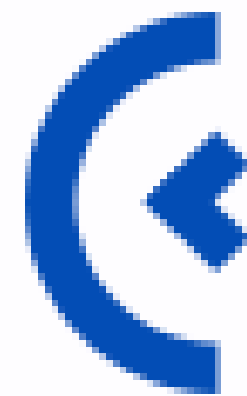


# CELTIC-NEXT

## Proposers Brokerage Day

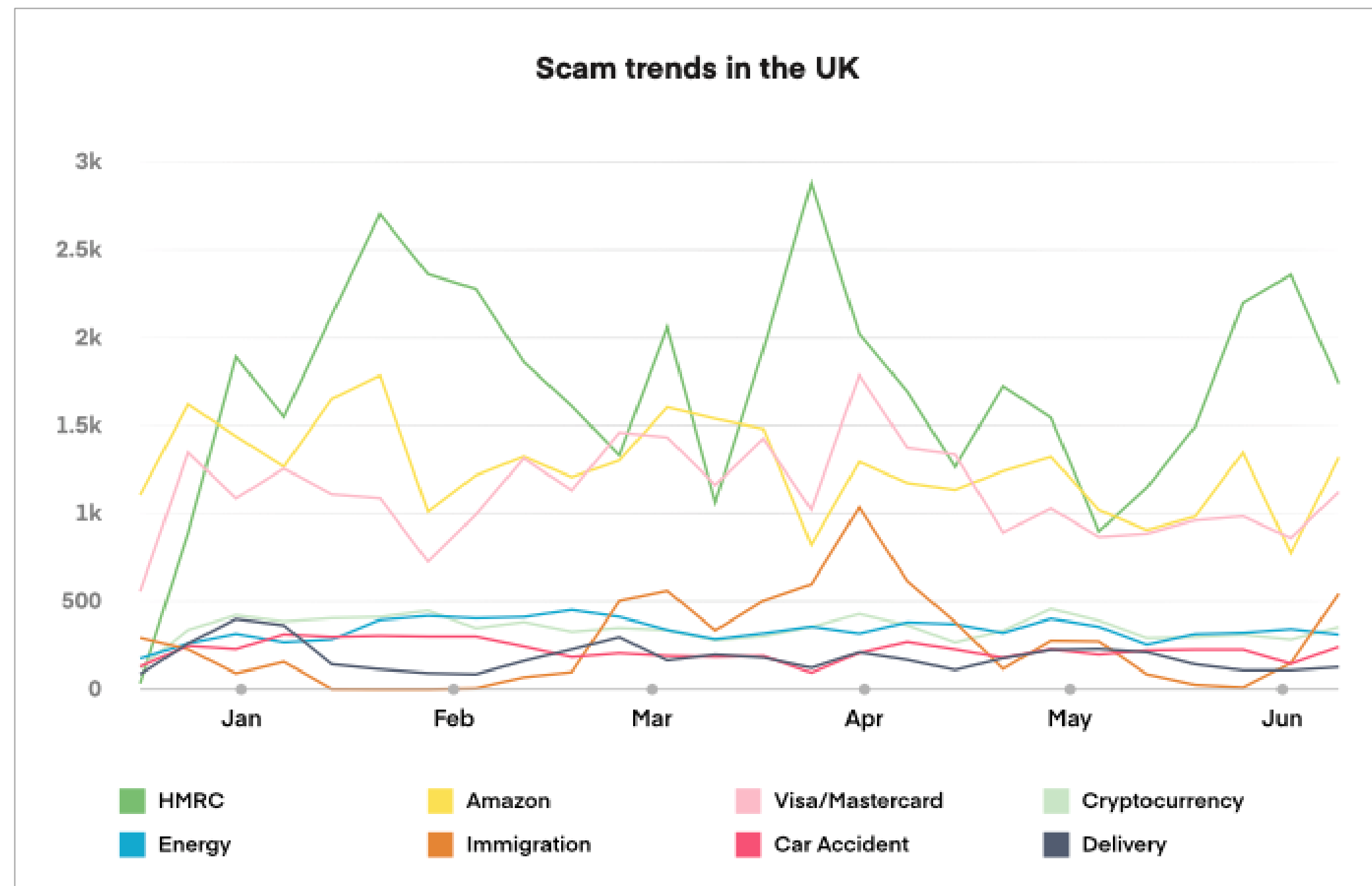
18<sup>th</sup> September 2024, London

### Enterprise Caller ID Authentication



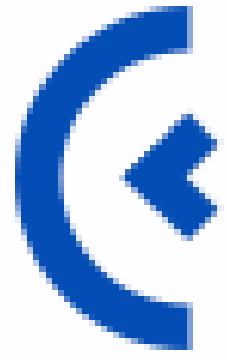
**Randy Warshaw (CEO, Provenant Inc.)**  
**randy@provenant.net**

# Financial Loss and Emotional Distress from Scam Calls



Source: HIYA Global Call Threat Report - 2024

- The Communications Fraud Control Association estimates fraud in the telecom industry reached almost \$39 billion in 2023 (+12%); equivalent to 2.5% of telecommunications revenue!
- UK leads Europe in scam calls
- In 2023, 45 million people received scam text or calls
- In the UK, each year at least 1 million people in the UK risk financial loss and emotional distress (Ofcom, March 2023). £750 million lost between 2022-23 (HMRC)
- Fraud has eroded consumer trust: fewer people answer calls from unknown or suspicious numbers, making it harder for legitimate businesses to connect with their customers.
- A variety of digital trust technologies and governance approaches (STIR/SHAKEN, Call Labels, SIP analytics, RCD...) have not solved the problem.

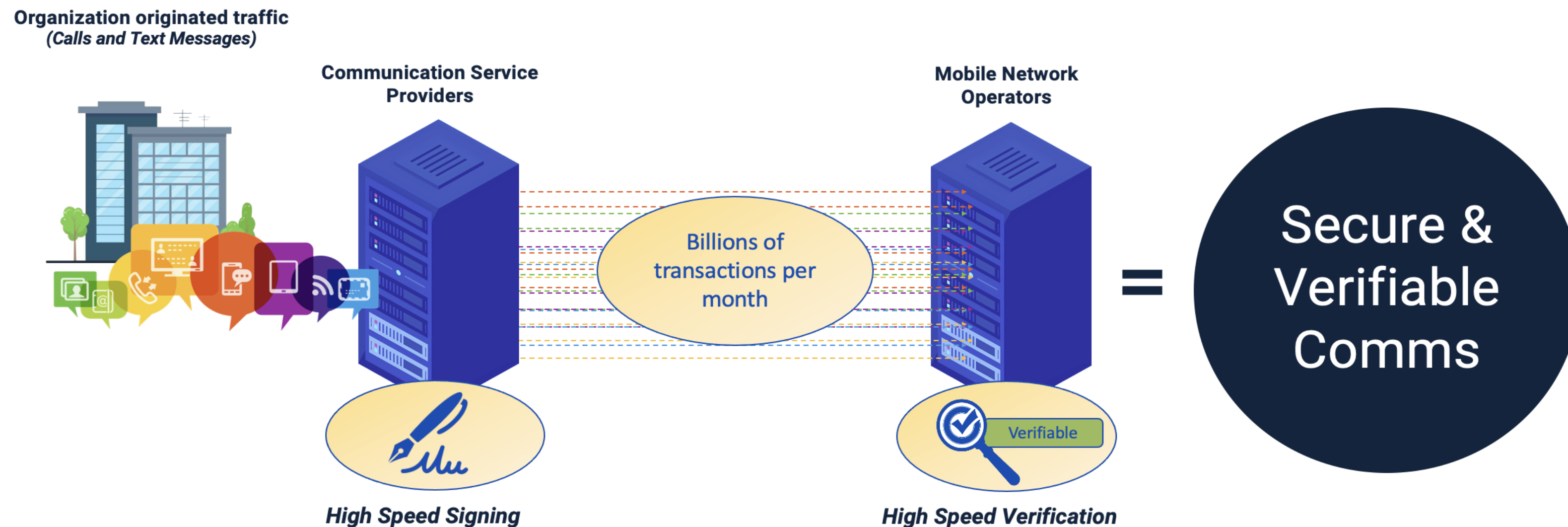


## Provenant Inc.



Provenant is a pioneering company at the forefront of globally verifiable and secure telephony. Founded in 2020 by industry veterans, Provenant addresses one of the telecom industry's most pressing challenges: distinguishing legitimate calls and texts from fraudulent ones. The company's innovative solutions provide proof of a communication's source and authenticity across any channel or jurisdiction. Built on non-proprietary, open global standards, Provenant's technology is fully decentralized and free from platform or vendor lock-in. As they prepare to launch multi-party trials in the EU and US, Provenant is poised to revolutionize how we verify and authenticate identity in the digital world, particularly for voice and text communications

# Provenant's Secure and Authentic Telecommunications Technology



- **Security:** cryptographic methods to prevent spoofing and ensure the authenticity of the enterprise calling party's identity.
- **Global Applicability:** allows for consistent enterprise caller ID authentication practices across different countries and regions.
- **Interoperability:** interoperability between different types of networks (IP-based, circuit-switched) and between different countries' telecom systems. Works seamlessly with existing caller ID authentication systems like STIR/SHAKEN and ETSI STIR.
- **Flexibility:** accommodates the varying regulatory environments and technical capabilities of different countries.

# Project Details



- Duration: **36 months**
- Outcomes:
  - Explore the use of cryptographic protocols for issuing and verifying enterprise identifiers (GLEIF/vLEIs)
  - High speed call origin signing and verification at call termination
  - Testing on OpenRAN testbed (Digital Catapult's SONIC Lab is a joint programme between Digital Catapult and Ofcom, funded by UK Government Department for Science, Innovation & Technology )
  - Limited piloting on MNO infrastructure

# Partners



- Provenant Inc. (Ireland)
- Digital Catapult (UK)
- Accelerate-Swiss (Switzerland)
  
- We are looking for MNOs to pilot the solution in a real-world setting



# Contact Info

**For more information and for interest to participate please contact:**

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<https://provenant.net/>



**Presentation is available via:**



# Join the Consortium Building Session Monday 23rd at 14 CEST

[Join meeting](#)

Join by meeting number

Meeting number (access code): 2743 521 5641

Meeting password: GhAAN3wZb22

