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WEBINAR PARTICIPANTS

Jessica Washington

Doug King

Dave Lott
RETAIL PAYMENTS RISK FORUM MISSION

Detect and identify, assist and encourage...

- Identify…what?
  - Risk, in existing and emerging retail payments

- Help how?
  - Contribute to mitigating payment risks by:
    - Researching products, services, and systems
    - Collaborating with industry
    - Convening

- Take On Payments weekly blog

- Retail Payments Risk Forum website
CASH STILL GOING STRONG

ATMs under attack
- Jackpotting
- Cash-outs
- Explosives

Source: 2016 DCPC
FAST-ER PAYMENTS

Regulation

Same-Day ACH

Real-Time Payments

Faster Payments Council

Global Initiatives

[Image of a diagram with the mentioned terms]
CHANGING RETAIL LANDSCAPE
CARD-NOT-PRESENT (CNP) FRAUD

Change in value of CNP payments

2015 - 2016

11%

Change in value of CNP payments fraud

35%

Source: Changes in U.S. Payments Fraud from 2012 to 2016, Federal Reserve Board of Governors, October 2018.
AUTHENTICATION
Are you who you say you are?

- FIDO
- Secure Remote Commerce
- 3DS 2.0
- W3C

NEW Developments
- Synthetic IDs
- Digital identity
- Account takeover
- Continuous authentication
ARTIFICIAL INTELLIGENCE

- Separating marketing hype from true advancements
  - Neural networks
  - Machine learning
  - Deep learning

A computer would deserve to be called intelligent if it could deceive a human into believing that it was human. – Alan Turing
DDoS
Ransomware
Data breaches
Social engineering
Business email compromise
FINTECH / REGTECH

Fintech
- Slowing down innovation at FIs?
- Regulation has always lagged technology.

Regtech
- Improving efficiency

Fintech  Regulators
DISTRIBUTED LEDGER TECHNOLOGY

ALL

NO

Major Financial Services US Blockchain Patent Holders

- CHICAGO MERCANTILE EXCHANGE: 2 patents
- CANTOR FITZGERALD PATENT HOLDINGS: 2 patents
- THE BANK OF NEW YORK MELLON: 3 patents
- GOLDMAN SACHS & CO.: 3 patents
- NASDAQ: 5 patents
- PAYPAL: 5 patents
- AMERICAN EXPRESS: 6 patents
- VISA: 7 patents
- THE TORONTO-DOMINION BANK: 11 patents
- FMR LLC (FIDELITY): 14 patents
- MASTERCARD: 27 patents
- BANK OF AMERICA: 43 patents

Source: EnvisionIP.
CRYPTOCURRENCY RETURNS: A TALE OF TWO YEARS

The only currency worse than bitcoin is Venezuela’s

**2017**

**2018**

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QUESTIONS OR COMMENTS

➢ Ask a Question:
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➢ Additional Resources
  • Diary of Consumer Payment Choice
  • Changes in U.S. Payments Fraud
THANK YOU

Doug King
Dave Lott
Jessica Washington

Retail Payments Risk Forum
Federal Reserve Bank of Atlanta