

## **Information Security at ARIN**

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### Agenda

Overview Security 'Year' in Review Compliance Initiatives Community Communication

### Security at ARIN



- 1. Security is shared across the organization
  - Physical, software development, security operations, compliance, etc.
- 2. Information/Computer/Cyber/Data Security, Information Assurance...
  - Let's pretend for a moment that they're all the same
- 3. Having dedicated security staff reduces risk
  - This translates to reduced exposure, impact, and expense

#### Security at ARIN is not new, it's already in our DNA.

### Security 'Year' in Review



## Enhancements to existing security controls Documented security policies and procedures InfoSec Training & Phishing Awareness Program Fielded new phishing defense tools Annual security audit (penetration test) Two-factor authentication enhancements

Website updates

#### Security 'Year' in Review (cont.)



- Established a Board Risk & Cybersecurity Committee
- Security-specific reporting to the Board of Trustees
- Substantial progress on technical debt
- Compliance program

### **Compliance Initiatives**

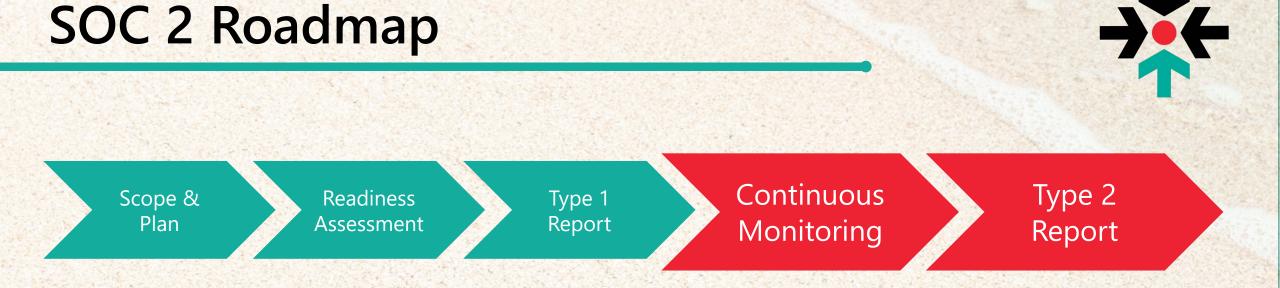
NIST Cybersecurity Framework AICPA SOC 2 SOC 2

- U.S. Department of Commerce
- Used to model our security controls

- Systems & Organization Controls
- North America
- Allows focus on products



- Payment Card Industry Data Security Standard
- Applies to companies accepting payment card transactions



- Initial audit: Began early 2022, report received December 2022
- Current audit: Runs December 2022 through September 2023 (10 months), report by 31 October
- Scope: Organizational security and Resource Public Key Infrastructure (RPKI)

### **PCI DSS Roadmap**





- Questionnaire completed in 2023
- Increased to quarterly vulnerability scanning in 2023
- Scope: Organizational security and ARIN Online

### **Community Communication**



#### As we implement enhancements, we'll update ARIN's security page...

And we will continue announcing important milestones through the ARIN Blog and website/mailing lists

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#### Information Security at ARIN

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ARIN O ARIN Personal Data Privacy Principles ARIN is committed to the security of your data. We have implemented various measures to protect your user account and record information and to ensure that your communication with ARIN is trusted.

#### Certification

ARIN understands customers' need to verify appropriate security baselines are being met. To meet this need, we pursue industry standard security certifications that attest to our ability to safeguard our systems and data.

Recognizing the global importance of cybersecurity and the value of Service Organization Control (SOC) 2 as a relevant framework to North America and our customer base, ARIN successfully completed the SOC 2 Type 1 audit of its Resource Public Key Infrastructure (RPKI) in December 2022, and is currently working toward SOC 2 Type 2 certification to be completed in late 2023.

Read our post on the ARIN Blog for more information on our SOC 2 certification.



#### Security Practices at ARIN

Information security and data protection, which are critical to defending against threats such as fraud, hacking, and phishing attacks, have always been a priority at ARIN. We have dedicated

#### Information Security at ARIN

Application Programming Interface (API) Keys Two-Factor Authentication

Pretty Good Privacy (PGP) Authentication

# Thank You

