

# Data Accuracy in the ARIN Registry

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# Agenda

- Importance of Accurate Registry Data
- Overview of ARIN's Data Accuracy Program
- Initiatives and Future Direction



# The Accuracy of ARIN Registry Data

# ARIN's Commitment to Accurate Registry Data

The core responsibilities of ARIN's role as a Regional Internet Registry:



Maintaining a reliable registry of Internet number resources.



Providing accurate registration information for organizations and contacts.





# The Importance of Accurate Registry Data

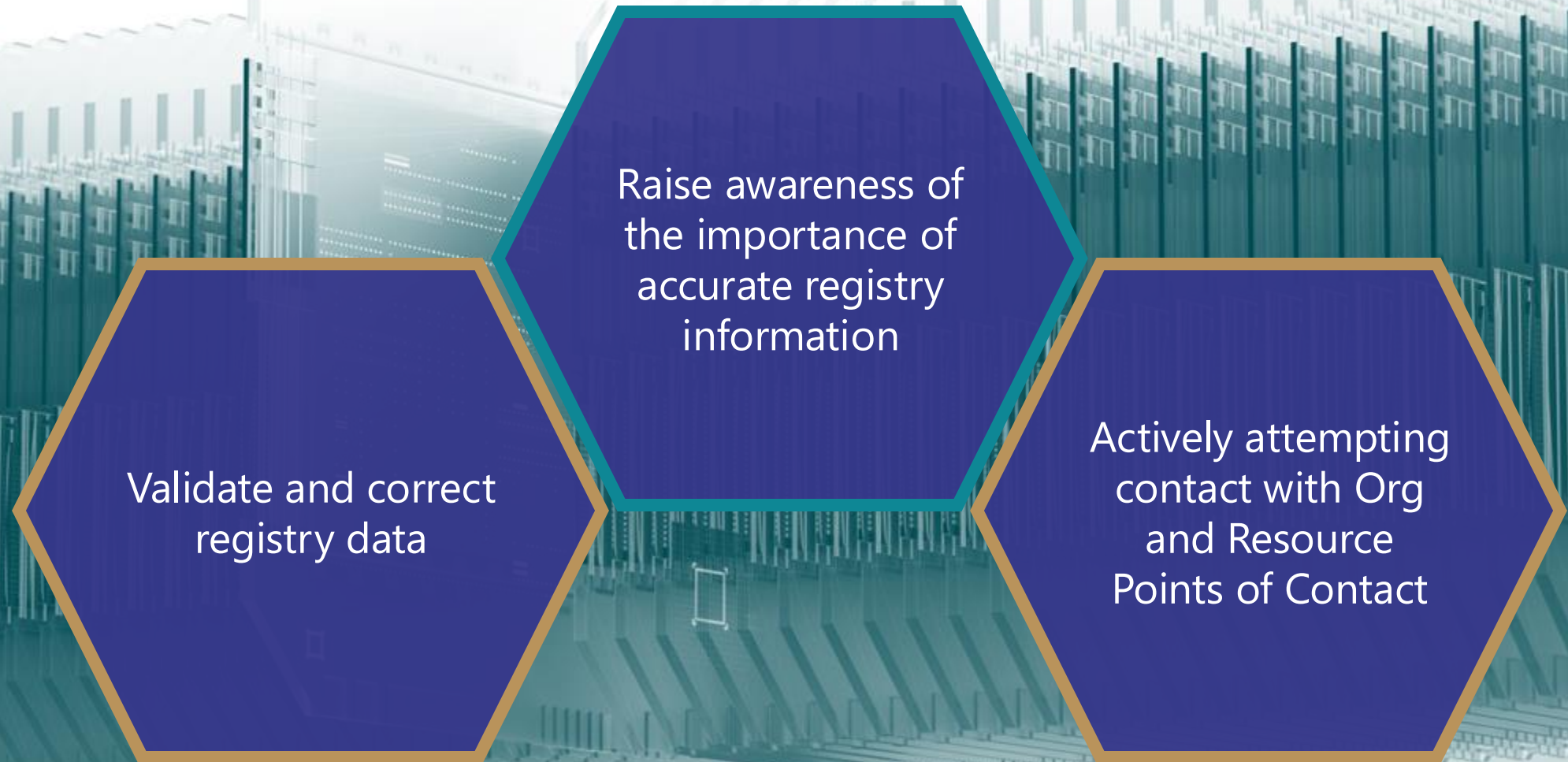


- Ensures the operability and stability of the Internet
  - ARIN's Whois/RDAP services are an integral resource for the operator community
- Helps to prevent the misuse of your resources
  - ARIN is seeing that incomplete records have become frequent targets of those with malicious intent
- Benefits the broad Internet community
  - Network operators, anti-abuse operations, law enforcement, cybersecurity teams, network researchers, and more all rely on accurate registry data



# Data Accuracy Program Overview

# Data Accuracy Improvement Program Overview





# Program Objectives

## Validate Data



Regularly review and validate data to ensure it meets established accuracy standards

## Correct Inaccuracies



Identify and rectify inaccuracies through comprehensive audits and feedback mechanisms

## Enhance Data Quality



Implement continual improvements based on industry best practices and stakeholder input

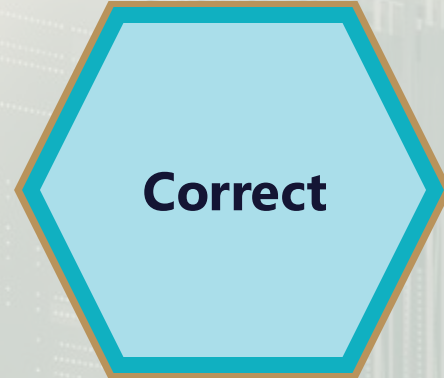


# Defining Data Accuracy

## Three Key Criteria



**Complete:** All required fields populated



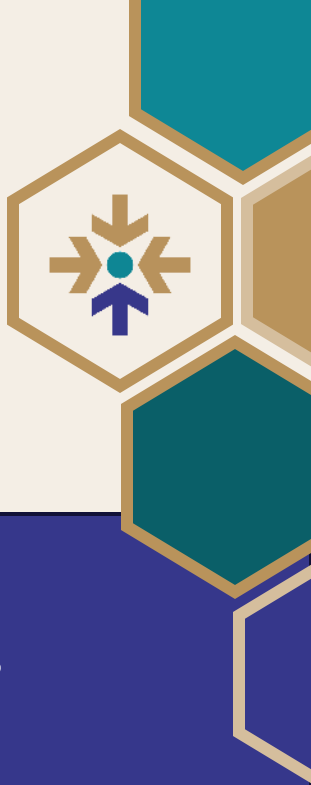
**Correct:** Information is vetted and validated



**Current:** Validated within the past five years

# Contact Validation Process

Annual validation email per NRPM 3.6



Points of Contact receive emails to confirm their information

- Admin, Tech, NOC, Abuse Organization Points of Contact
- Resource Points of Contact associated with number resources

The Point of Contact has 60 days to respond

- If no positive affirmation is received, ARIN will investigate
- If a contact is determined to be abandoned or illegitimate, the record is marked invalid in Whois.

# What is an Orphaned Record?

And how do we address it?



 **An Org ID** is considered orphaned if it has no issued number resources

 **A Point of Contact** is considered orphaned if it:

- is not associated with any number resources
- **AND** is not associated with any organization
- **OR** is associated with an orphaned organization

## Cleanup Initiative

Delete Org IDs and Points of Contact that have been orphaned for over two years to improve data accuracy



# Current Progress and Future Direction



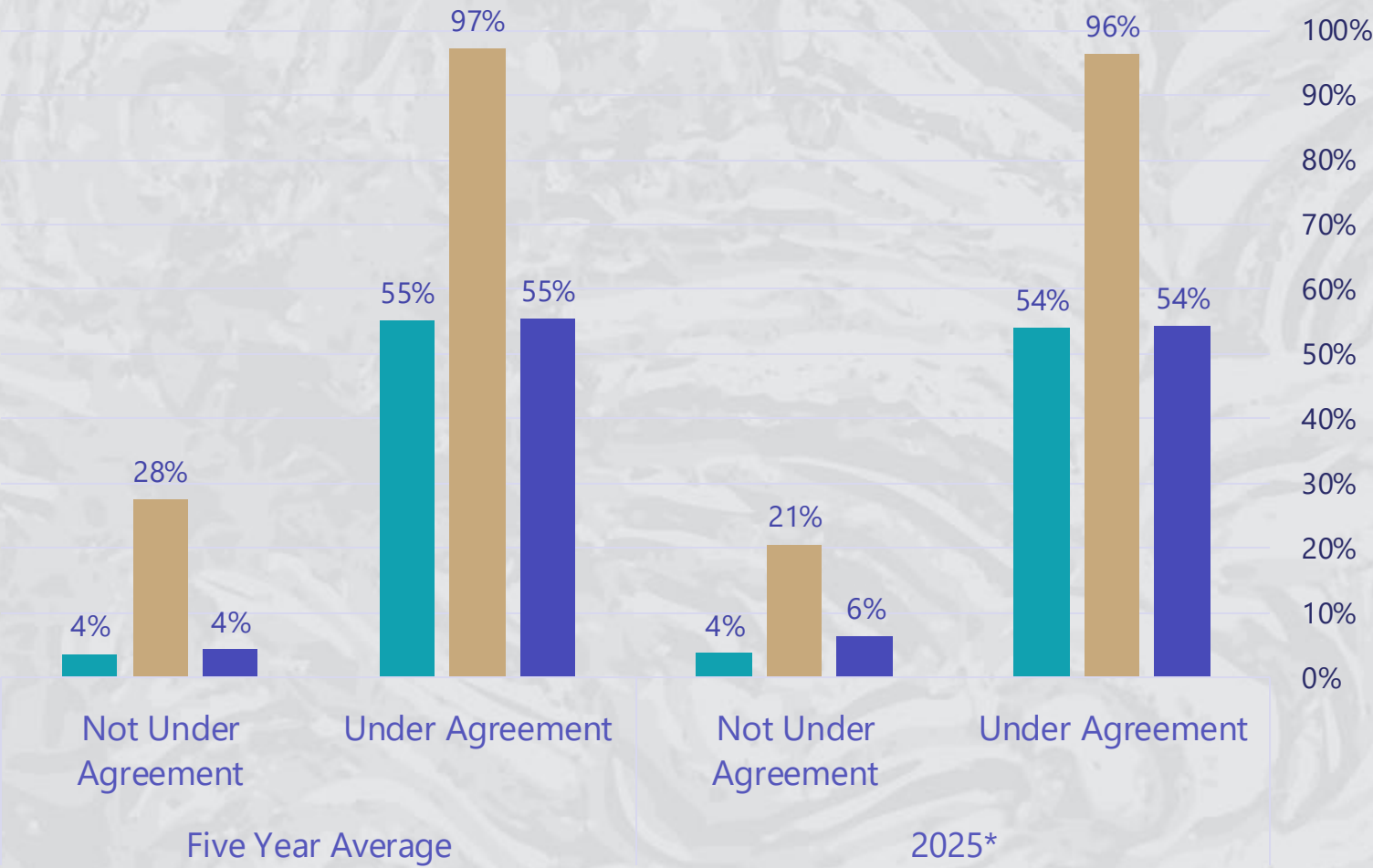
# Current Progress and Statistics

Implementation of new resource initiatives within ARIN

Increased outreach is planned for promoting data accuracy awareness

<https://www.arin.net/reference/materials/accuracy/improvement/>

Current: Records Associated with Directly Delegated Number Resources and Confirmed/Validated in Past Five Years



# How Can You Help?

Action items for ARIN resource holders:



Regularly review and update your organization's contact information



Respond promptly to ARIN's validation requests



# Future Directions



Exploring the use of advanced validation methods and technologies.

Enhancing existing user interfaces for easier and more efficient data management for ARIN customers.



Questions and Comments?  
Thank you