Software Development Update

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Topics to be Covered

- Strategic Guidance
- How the work is prioritized
- Projects completed since the last ARIN meeting
- Forthcoming Initiatives
- ARIN Suggestion and Consultation Process Update

Strategic Guidance

From the 2017-2018 ARIN Strategic Plan

- *Maintain, develop, and enhance functionality of ARIN services as sought by the users and supported by the membership*

  – *2017 Organizational Objectives*

- Provide automation support as requested by the Advisory Council

- Continue to review and enhance online services, including making significant user interface improvements per user feedback and customer survey

- Continue to focus on community suggested, customer facing, high impact software development efforts in a timely manner

How The Work is Prioritized

- Legal and regulatory
- Ratified policies
- ARIN Consultation and suggestion process
- Board of Trustee initiatives
- Operating plan objectives
- Defects, maintenance, and upgrades
- Mailing list adhoc requests
- Environment changes
- Customer feedback (via feedback button)
- Customer Survey

Project Completed Since ARIN 38

- Ability to modify and reassign networks and delete reassignments from search results page
- Option to view free blocks of IP addresses
- Completing voting contact management
- Web Accessibility/Responsive Web design
  - **Simplified navigation for requesting IP addresses and ASNs**
  - **Redesigned POC, Net, and Org pages**
  - **Simplified navigation for creating and linking to POCs**
- Ability to submit Delegation Signer (DS Resource Records for Reverse DNS using ARIN Online – now accept Type 4 (SHA-384) Digest Algorithm (re:RFC 6605)
- POCs can now perform verification by replying to the validation request email

Forthcoming Initiatives

- Transfer Log Enhancements as part of ACSP 2015.6 Transfer Statistics Available on FTP Site

- Technical Debt (various upgrades and infrastructure improvements)

- Web Accessibility and UX/UI work

- Implement Postgres solution for ACSP 2012.20: Remove Result Limits for Whois-RWS Child Network Queries

- Re-parent of Resource Public Key Infrastructure (RPKI) Trust Anchor (T/A) to 0/0

- Unlimited result sets for queries from authenticated users via RDAP

ARIN Consultation and Suggestion Process (ACSP) Update

- Completed 26 ACSP (20 by Engineering) within the last two calendar years
- Presently 27 are open and of those 26 require engineering work
- Some ACSPs require a very heavy engineering lift
  - **3 ACSPs are tied directly to the Internet Routing Registry Project – ARIN Services Working Group considering direction**
  - **2011.17 "Define access restrictions for APIs"**
    - Need to define framework for ACLS for various API Keys
    - Need to then enforce ACL's for those API Keys

Questions?