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

Factors that Influence Priorities

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

Projects Completed Since ARIN 39

- 2016-9 Streamline Merger and Acquisition Transfers – modifications to 8.2 page per approved policy

- ACSP 2017.2 - Removal of Point of Contact (POC) from an organization resulting email notification now includes the POC handle

- ACSP 2017.12 - Revisions to ARIN Consultation and Suggestion Process form

- ACSP 2016.09 – No valid POC resource report updated

- RPKI Trust Anchor has been modified to reflect all holdings (0/0)

- ACSP 2015.6 – Transfer statistics now available via FTP

Projects Completed Since ARIN 39

- POCs can now perform verification by replying to the validation request email

- Ability to modify and reassign networks and delete reassignments from search results page

- 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

- Unlimited result sets for queries from authenticated users via RDAP

Forthcoming Initiatives

- CNK23 POC Restoration
- Technical Debt (various upgrades and infrastructure improvements)
  - Java 8 Upgrades
  - Whois Improvements
  - Oauth
  - Ansible
- Web Accessibility Improvements
- User Experience/User Interface Improvements
- Accounting system upgrade and administration
- Internet Routing Registry

ARIN Consultation and Suggestion Process (ACSP) Update

- Presently 29 are open and of those 28 require engineering work
- Processed 21 ACSP requests within the last two calendar years
    - 3 SPAM
    - 1 referred to PDP
    - 6 completed by Engineering
    - 4 declined
    - 7 completed by CMSD or others

- Some ACSPs require a very heavy engineering lift – not all ACSP are equal
    - 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?