

# Next Steps for the ARIN Registration Database

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## Overview

- Planned Activities Currently Undergoing Requirements Gathering
  - Enhanced Registration Tools
  - Authentication Mechanisms
  - Integration of IPv6 Registration System
- Proposed Activities
  - Enhanced Registration Tools
  - Database Enhancements
  - Enhanced Statistics
  - Other Proposals

## Enhanced Registration Tools (Planned)

- INTERNAL

- Transfer Utility (Increased from 350 transfers in 2001 to 1204 requested so far in 2002)
- History Utility: Database now has an audit trail of all changes made to a registration, but we need to provide RSD a means to use this information.
- Web Interface to the Registration Database

- EXTERNAL

- Web-based template generation

## Authentication Mechanisms (Planned)

- Methods of Authentication
  - Using mail-from (email only) -- DONE
  - Using PGP certificates (proposed)
  - Using X.509 certificates (proposed)
  - Using login/SSL passwords (proposed)
- Projects that require Enhanced Authentication
  - Web-based Members Site
  - Routing Registry route authentication

# Integration of IPv6 Registration System (Planned)

- Current IPv6 system is highly manual
- Integrate into the new ARIN registration system
- Differences with IPv4 registration system
  - Handle naming convention
  - Name servers only permitted on direct allocations and assignments

# Enhanced Registration Tools (Proposed)

- INTERNAL
  - Data Consistency Tools
    - Lameness Checker (Policy Proposal 2002-1)
    - E-mail Validator
    - Net Info against RWhois servers
- EXTERNAL
  - Automated Report requesting
    - Org Info
    - Net Info

## Database Enhancements (Proposed)

- Possible impact from policy-related changes
  - Privatizing POC Info (Policy Proposal 2002-8)
  - Lameness Policy (Policy Proposal 2002-1)
- Changes based on suggestions from the community
  - e.g., at ARIN IX, a suggestion was made to include an RWhois field in the Whois database to standardize RWhois server information.

## Enhanced Statistics (Proposed)

- Greater ability to provide different types of statistics
  - Resources being allocated to new versus existing entities
  - Resources recovered through bankruptcy proceedings
  - Re-usage of recovered address space
- Create mechanism to identify original allocation for transferred resources
  - Current stats reflect a snapshot of the database.
  - Requests for a more historical view of allocations.



## Other Proposals

- Integration of Routing Registry System
- Integration of Billing System
- New “Ticketing” System
  - Current System is entirely email-based.
  - Current System lacks status reporting; need better tools to provide manage and report ticket status (open, closed, pending, etc)

# Questions ?