Community-Provided Technical Guidance to ARIN

Open Policy Discussion
at ARIN XV

Setting the Table

- This is a search for interest, problem space, parameters, and ultimately a solution
  - If there is a problem at all
- This is not a recommendation, final word, suggestion, mandate

Agenda

- Why this presentation?
- Is technology still important?
- Why guide ARIN (staff)?
- Potential means of guidance?
- Timing Issues
- Channels for guidance

Why this presentation?

- "Rumors" that membership is too complacent (via NANOG)
  - not enough input? mis-representative?
- Newer ways to build a registry
- "Uncertainty" of Internet "governance"

What this is not

- A criticism of ARIN staff efforts or goals
- Rallying needless work to keep engineers and net bureaucrats employed
- Something I have time to devote to without the interest of others
- ARIN "(yet another in the spirit of NANOG) reform"

Is technology important?

- Is the Internet driven more by economics than by technology?
  - Does that question matter within ARIN realm?
  - Stability vs. Innovation?
  - Short term vs. Long term?
- Does ARIN need to "worry" about the "future?"

Why Guide ARIN staff?

- To provide service requirements
- To provide factors in determining budget decisions
  - To board, to staff for discretionary funds
- Community-driven view covers more
  - ARIN not staffed to study industry trends
- Lets ARIN staff set expectations of "success"

What kinds of guidance?

- Following are some reasons that we may want to provide guidance to ARIN staff

- Not complete list
  - Only meant to provoke ideas
  - Not all are "sure" things
  - Not intended as a work item list

Registries have advanced

- Since RFC 2050, registries have evolved
- ICANN RFP responses yield some clues towards new engineering
  - E.g., new protocols like EPP, IRIS
  - E.g., service level agreements
- Can ARIN be more "lean and mean?"

New IETF protocols for registries

- Initiated for ICANN registries
  - EPP - "replaces" template interface
  - IRIS - "replaces" whois
- DNSSEC and other DNS extensions
- These are getting consideration in other RIRs

Security and Privacy

- Growing work in these areas
  - DNSSEC, Secure routing promoted by US DHS and US NAS reports
  - Linking DNS and WhoIs in privacy issues
- Goal is not for ARIN to be leading these topics, but be prepared to comply with industry demands and provide data points

Feature(tte)s

- Providing IP address in newly obtained space to test bogon filter changes
- Servers on IPv6
- Defining "swamp"
- Measuring "impact of policy"

Channels for Guidance

- Policy Process
  - Address assignment related
  - Studied, slow - 2005-03 updates 2002-01
- Rely on staff
  - Fine line between "advocate" vs "neutrality"
- Rely on AC or Board
- Revive Working Groups/a WG

Working Groups

- Perhaps there should be a Registry Services or Registry Architecture Working Group

- Multiple groups seem too diluted in ARIN
  - Training, Database, IPv6, others at one time

- WG's can provide a discussion environment
  - Multiple-way dialogue
  - Provides a means to publish documents, one defining terms like "swamp"
  - Hopefully a venue to hear staff experience

Timing

- Issues like DNSSEC and secure routing are quantifiable, but not yet "real" enough for deployment
  - Too early to expect serious earnest discussions

- But we can't be too late
  - IETF is already discussing these things, other RIRs too

Discussion...

- The point is to stoke discussion
- Is there really something to do?
  - If so, are there folks willing to participate?
  - If not, let's move on to the next topic...