Update on IANA

Barbara Roseman
Internet Assigned Numbers Authority
IPv6 for the root servers

- 6 of the 13 servers added AAAA addresses (4 February 2008)
- Small increase in load on servers
- No known problems
- Enhances IPv6 deployment capabilities
- Further details available at:
DNSSEC update

- IANA continues to offer testbed of signed root zone
  https://ns.iana.org/dnssec/root.zone.signed

- Gaining operational experience in handling key-signing keys and zone-signing keys

- Transitioning .arpa and in-addr.arpa publication to ICANN
  - IANA will sign .arpa and in-addr.arpa after the transition
Processing trends for root zone management

![Graph showing closed tickets mean, standard deviation, and median processing times for 2007. The graph includes data points for each month from January to December, with lines representing mean processing times (red), standard deviation (blue), and median (green).]
Processing trends: name server change requests vs. more complex requests
Trends analysis

- Routine requests done faster
- Remaining tickets on average taking longer
  - Redelegations etc. take more due diligence, often more contentious. Building number due to outreach efforts.
- We will study underlying causes and report back
- Propose splitting monthly reporting into “regular” and “irregular”/“exceptional”
  - Need to define the latter — redels and third-party impacting?
Update on services

• Service level targets for root zone requests
  – Working on compiling historical data (see previous graphs)
  – Drafting a set of service level targets for discussion

• RZM System in beta testing
  – Compliance testing for production deployment
  – Security audit of software
Protocol and Parameter Registries

• Project to xml-ize the registries
  – Coordinated with IETF xml experts
  – All new registries created in xml format
  – Updating older registries on planned schedule

• Monthly statistics report
  – Additional to dashboard
    http://beta.iana.org/about/performance/ietf-statistics/
Thank You!

Barbara Roseman
barbara.roseman@icann.org

Kim Davies
kim.davies@icann.org