IANA Port Number and Service Name Procedures

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For the IANA Port Procedures team
Doc. Goals

- Update registration procedures
- Unify registries
- “Updates” RFCs for above

- What this doc is not:
  - Guidance to registrants/app designers
  - Specification of port/name spaces
Current Registries

- Port numbers (IANA; /etc/services)
  - TCP, UDP
  - Number and short name
- Service names (DNS; SRV)
  - DNS SRV
  - Name only
- Other transports (IANA)
  - SCTP, DCCP
  - Includes DCCP service codes
Unified Registry

- One table for all
  - Transports – TCP, UDP, DCCP, SCTP, future
  - DNS SRV
- Indexed by name
  - One name space across all registries
  - Info. can be used by any discovery mechanism

- What this doc does not do:
  - Specify how IANA expresses the details
Syntax Changes

- US ASCII a-z, 0-9, ‘-’ (hyphen), case insensitive
  - No hyphen start or end
  - Not all numbers
  - 1-15 characters
- Current name changes
  - Included as legacy
  - New name replaces special chars with ‘-’
  - One exception – whois++ becomes whoisplusplus
Other Issues

- Updated procedures
  - Change, transfer, etc.
- Updated principles
  - Affects port numbers; clarifies current practice
- Format of unified information
  - XML table, name as index
- User Guidelines (other doc)
  - Lots of advice from IANA Port Experts Review Team, community input