



IANA Port Number and Service Name Procedures

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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