

# ICANN Update

## ARIN VIII

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# Reminder: What does ICANN do?

Coordinates policies relating to the unique assignment of:

- Internet Domain Names
- Numerical IP Addresses
- Protocol Port and Parameter Numbers

Coordinates the DNS Root Server System

- through Root Server System Advisory Committee

# What are the IANA functions?

- Protocol parameter assignments
  - Under March 1, 2000 IETF/IAB/ICANN Memorandum of Understanding
- IP Address Allocations
- DNS root zone file management

# IANA Workload - Protocols

(Yr 2001)	Apr	May	Jun	Jul	Aug	Sep
User Ports	6	50	49	36	26	7
Sys Ports	0	0	1	0	0	0
Protocol #s	0	0	0	0	0	0
MIME	0	0	5	0	2	0
MIBs	1	1	1	0	0	1
Priv Ent #s	~300	346	327	299	333	296
Other	2	6	14	0	2	0

# IANA Workload – Addresses

(Yr 2001)	Apr	May	Jun	Jul	Aug	Sep
Multicast	0	1	2	0	0	0
Cable	6 blk	n/a	n/a	n/a	n/a	n/a
AS #s	1 blk	0	0	0	1 blk	0
RIR Alloc	2 /8s	0	2 /8s	0	0	0

# IANA Processing Times

(in working days)

	Current Times (approx)	Goals
Ports (user & sys)	10-15 days*	10 days
Protocol #s	10-15 days*	10 days
MIME	3 days+expert	2 days+expert
MIBs	3 days	2 days
Pr Ent #s	1-2 days	2 days
Multicast	10-15 days*	10 days

# New Protocol Parameter Registry Additions

- Authentication Option Name Spaces
- IPv6 Router Alert Option Values
- RObust Header Compression (ROHC) Profile Identifiers
- Session Description Protocol (SDP) Parameters

# IANA Recent Improvements

- Response Time
- Improved application templates
- Website reorganization
- Actions for approved documents  
(assignments and new registry set-up)





# IANA Continued Improvements

- Website Migration
- More email automation
- FAQ; general request form
- IANA Considerations sections

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# Current Areas of Policy Work

- **Names**
  - Increased attention to security/integrity/resiliency/recovery issues by registries, registrars, DNS root name servers
    - DNSSEC
  - Introduction of New Top-Level Domains
  - Restructuring of DNSO & PSO?
  - Progress on Internationalized DNS
    - Advocate IETF's IDN-WG process
    - IDN Committee
  - Undertake UDRP Review
  - Figure out future of .org TLD
- **Addresses**
  - Support ASO, LACNIC & AFRINIC
  - Improve IANA performance
  - Participate in RFC 2050 review & watch IPv6
- **ICANN Structure**
  - Complete agreements with ccTLDs, RIRs, Root Nameserver operators (formalization of delegation)
  - At Large Membership Study

# Update: Steps in Transition from USG

- Transfer of InterNIC functions from Verisign/NSI to ICANN – NEARLY DONE
- Implementation of some root server architecture improvements (i.e., distribution master), as developed by Root Server System Advisory Committee – PENDING
- MoU with US Department of Commerce extended through 2002

# New Top-Level Domains

- First group chosen in November 2000
  - Global Open: <.info>, <.biz>
  - Individuals: <.name>, <.pro>
  - Specialized: <.museum>, <.aero>, <.coop>
- Proof of Concept - Launch with caution, observe carefully, learn from experience
- If successful, there will be future rounds
- Status:
  - Agreements completed:
    - .biz, .info, .name, .museum, (.aero)
  - Currently operational:
    - .biz, .info, .name

# For Further Information:

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