IANA Functions

- Resource management
  - IPv4, IPv6 and ASN Registries (in cooperation with the RIRs)
  - Protocol parameter registries (in cooperation with IETF/IESG/IAB)
    - Internet Drafts and RFC standards process
    - Identifier registry creation and maintenance
    - Ports and Personal Enterprise Numbers (PENs) assignments
  - Maintain .ARPA and .INT domain registrations and registries
  - Root zone management
    - Maintain Top Level Domain registration and zone delegation information
      - Validate and process TLD change requests
      - Verify minimal proper DNS server requirements
    - Maintain public “Whois” and internal delegation process/procedure information for TLDs.
ICANN Structure

ICANN SERVICES

KURT Pritz
VP SERVICES

ONEZ WESTMORELAND
EXECUTIVE ASSISTANT

TINA GAN
IANA PROGRAM DIRECTOR

STACY BURNETTE
DIRECTOR, CONTRACTUAL COMPLIANCE

TIM COLE
CHIEF REGISTRAR LIAISON

CRAG SCHWARTZ
CHIEF gTLD LIAISON

DAVID CONRAD
GENERAL MANAGER IANA

IANA

CONNIE BROWN
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MIKE ZUPKE
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DOMAIN NAVES LIAISON

SIMON RAYEH
IANA DEVELOPMENT MANAGER

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IANA OPERATIONS MANAGER

NAELA SARRAS
PROJECT SPECIALIST

PEARL LIANG
PROJECT SPECIALIST

YOSHIKO CHONG
PROJECT SPECIALIST

AMANDA BABER
IANA PROJECT ASSISTANT
Current Projects

- Registries
  - IPv4 Address Allocation Registry Data Review
  - RFC inventory - check all registries have been created
  - Converting all registries to an XML data structure
  - Whois service for IP address registries
- Administrative
  - Documentation Management
  - IANA web redesign
  - Automated Report Generation
- IANA Process Improvements
  - Reverse Delegation for in-addr.arpa and ip6.arpa
  - DNSSEC for all IANA managed zones
  - DNS checking tool
  - “eIANA” self-service for ccTLDs
  - PEN allocation automation
IPv4 Allocation Trend - All RIRs

by end Feb ‘07
IPv4 Allocation History - by RIR
Status of the remaining /8s

- 48 /8s available
- 24%
- 73%

- Protocol
- Status Unclear
- Class E
- Available
Recent Multicast Assignments

Time

Aug '06 Sep '06 Aug '06 Jul '06 Sep '06 Aug '06 Oct '06 Sep '06 Oct '06 Oct '06 Nov '06 Oct '06 Nov '06 Jan '07 Feb '07
Near-Term Future Activities

- Signing .ARPA
  - Talking with IAB about how to move forward
- IANA Process Automation
  - DNSSEC
  - Port allocation
- “Customer Satisfaction Survey”
On the Horizon Activities

- “IANA Certificate Authority”
- Improved authentication mechanisms
- Root Zone Management via EPP
- Registry availability programmatically via…
  - BEEP? XML-RPC? SOAP?
- IANA Infrastructure improvements
Summary

• We allocate and maintain registries for a variety of resources, including protocol parameters, IP addresses, and domain names
• We have added staff and are improving services as quickly as possible
• We’re pretty busy now
• We’re going to be pretty busy for a while
• Suggestions for improvement are welcome!
Questions