IANA Status Report

Leo Vegoda, ICANN

leo.vegoda@icann.org

IANA Numbers Liaison

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.

IANA Structure

ICANN
iana

David Conrad
General Manager

Barbara Roseman
Operations Manager

Michelle Cotton
IETF Liaison

Kim Davies
Names Liaison

Leo Vegoda
Numbers Liaison

Simon Raveh
Development Manager

Yoshiko Chong
Project Specialist

Naela Sarras
Project Specialist

Pearl Liang
Project Specialist

Amanda Baber
IANA Project Assistant

Various Contractors

Current Projects

- Registries
  - IPv4 registry review
  - RFC inventory - registry creation check
  - XML data structure for all registries to an
  - Whois service for IP address registries
- Administrative
  - Documentation management
  - IANA web site redesign
  - Automated report generation
- IANA Process Improvements
  - Delegation in ip6.arpa and in-addr.arpa
  - DNSSEC for all IANA managed zones
  - DNS checking tool
  - "eIANA" self-service for ccTLDs
  - PEN allocation automation

Web stuff

IPv4 - Not quite empty

IPv4 Allocation Trend - All RIRs

by end March '07

Watch it shrink

by end March '07

Unallocated IPv4 Pool
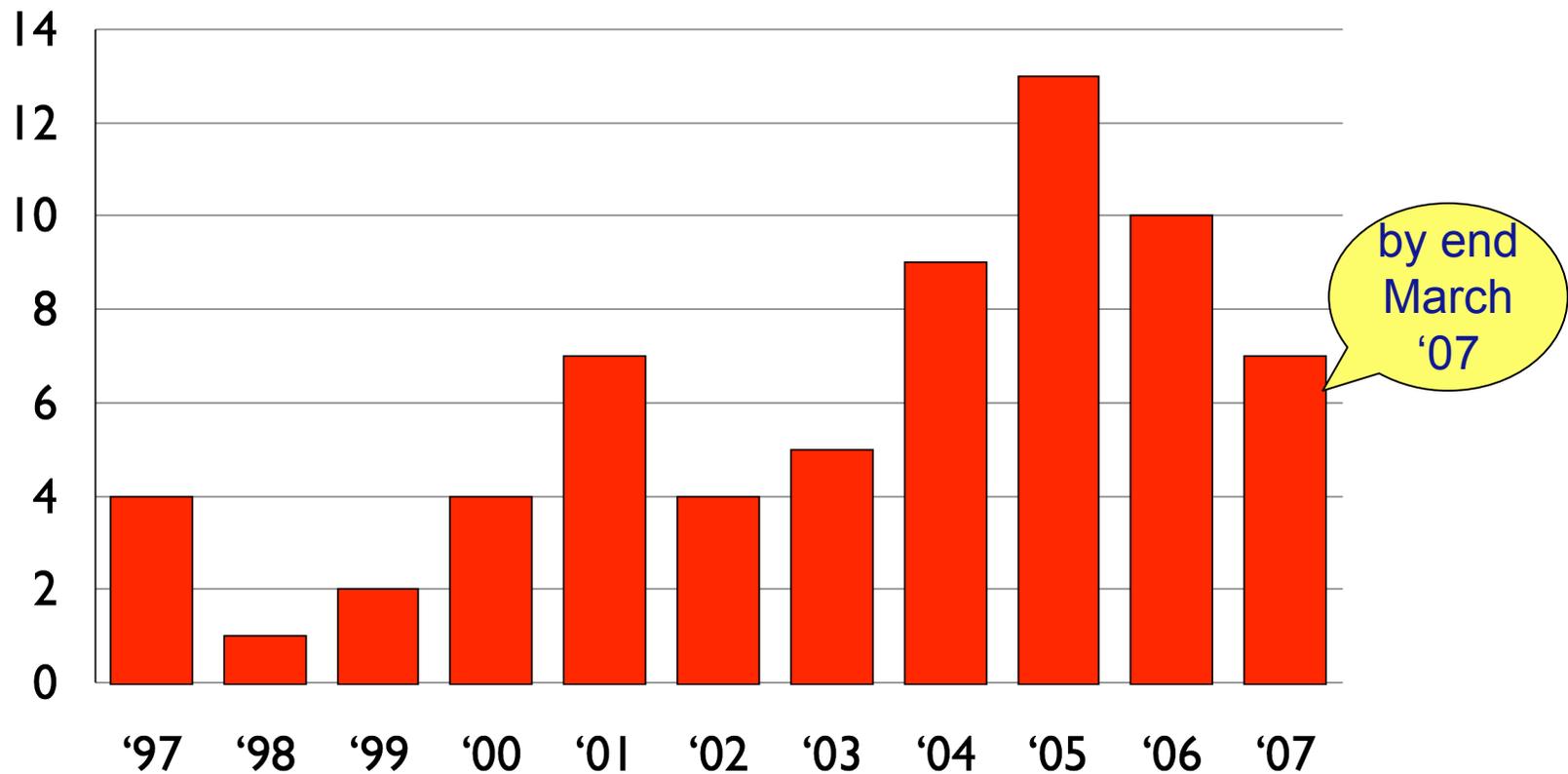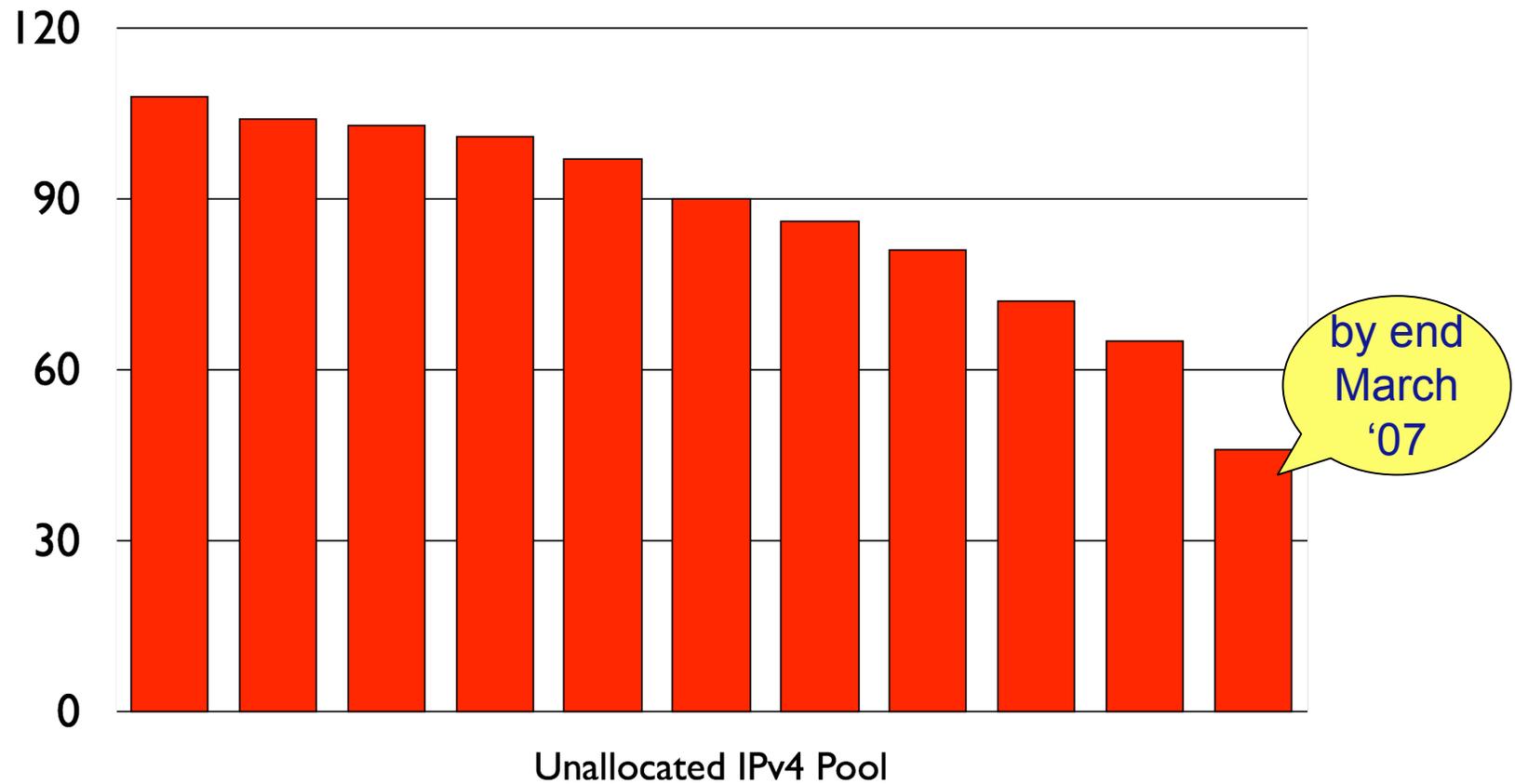
Near-Term Future Activities

- ## 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?
  - What is useful to network operators?
- IANA Infrastructure improvements

IDN

- News slide

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

UKNOF 7 -- Manchester, England