### IANA Update at APNIC 26 Christchurch, NZ

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### Overview

- Administrative procedures
- Throwing some back
- ► IPv6
- Used but unallocated
- DNSSEC
- Cross Pollination
- Registry updates

### Administrative procedures

- About to conclude a set of administrative procedures with the NRO
- Complement the Exchange of Letters from December 2007

### Throwing some back

- IANA identified a /18 and a /20 of unused IPv4 space allocated to it
- Checked that it is not used
- Returning it to the free pool for allocation by an RIR

### IPv6 Deployment

- 'Glue' workshops
  - New Orleans
  - Paris
  - Seoul (next week)
- ICANN glue deployment



### Used but unallocated

#### Analysis of DITL 2008

ICANN ICANN ICANN	bers
Used but Unallocated August 4th, 2008 by Leo Vegoda	Search
In February I commented about how we have been doing some research into the use of unallocated address space on the Internet. I hoped that I could give a report on the results sooner than this but the work has now been done and the results have been made public. Duane Wessels of The Measurement Factory analysed DNS queries for evidence of how unallocated IPv4 addresses are being used and presented them at the last OARC meeting, last month. The results cannot give a complete view of what is happening, as it does not see what is happening	Pages » About » Comment policy Archives » August 2008 » July 2008 » June 2008 » May 2008
in private, behind closed firewalls. Nonetheless, these are useful data. We will be using these data to help plan for the last few IPv4 allocations to the RIRs.	» April 2008 » March 2008 » February 2008 » January 2008
Evidence for Use of Unallocated IPv4 address space in DITL 2008 DNS traces by Number of Addresses • Query From • %u.in-addr.arpa • A-for-A • A RRDATA	» December 2007 » November 2007 » October 2007 » September 2007 » August 2007 » July 2007 » June 2007

## **DNSSEC ITAR**

- 'l' is for 'Interim'
- A prototype has been developed
- Confirming with technical experts that format is correct

### **Cross Pollination**

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1 i r	mportant that such servers be patche ecursive and authoritative functions of	ache poisoning attack that can affect name s ed to mitigate against the problem. Furthermo can cross-pollinate the authoritative function termine whether they provide vulnerable recu	ervers providing recursive name service has made it ore, the risk of cache poisoning for servers that share with incorrect data. This tool is designed to assess the rsive service.	
	Safe. The servers tested for APNIC. Note that not all authoritative discovered.	NET appear to not be vulnerable to cache po e name servers could be reached, so there	pisoning. a may be additional issues that were not	
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	The servers tested for APNIC. Note that not all authoritative discovered.	IP Address           194.0.1.8           2001:678:4::8           202.12.29.59           193.0.0.196           2001:610:240:0:53::4	Results Not recursive	
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#### http://recursive.iana.org

### **Registry Updates**

- First phase of XML registry conversion complete
  - Registries now published in XML, XHTML, plain text
  - Non-Latin characters can be used where necessary
- More registries to be converted, with input from the appropriate IETF WGs

# Thank You

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