



# IPv6 Allocation Status Report

IPv6 Technical SIG

7 Sep 2005

APNIC20, Hanoi, Vietnam

Srinivas (Sunny) Chendi

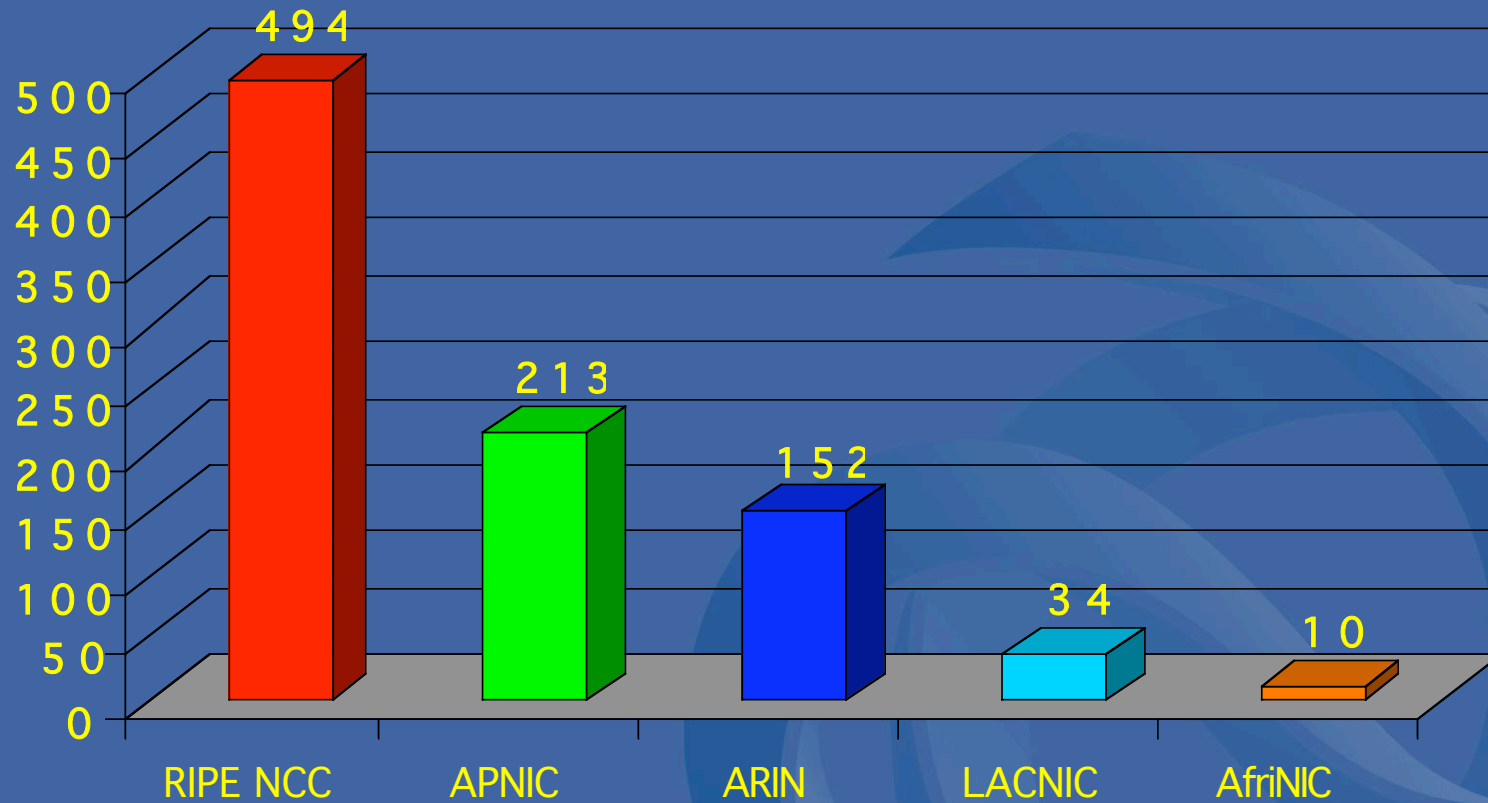


# Overview

- RIR IPv6 Statistics
- Allocation/Assignment Statistics
- IPv6 Routing Table
- Whois Database Registrations



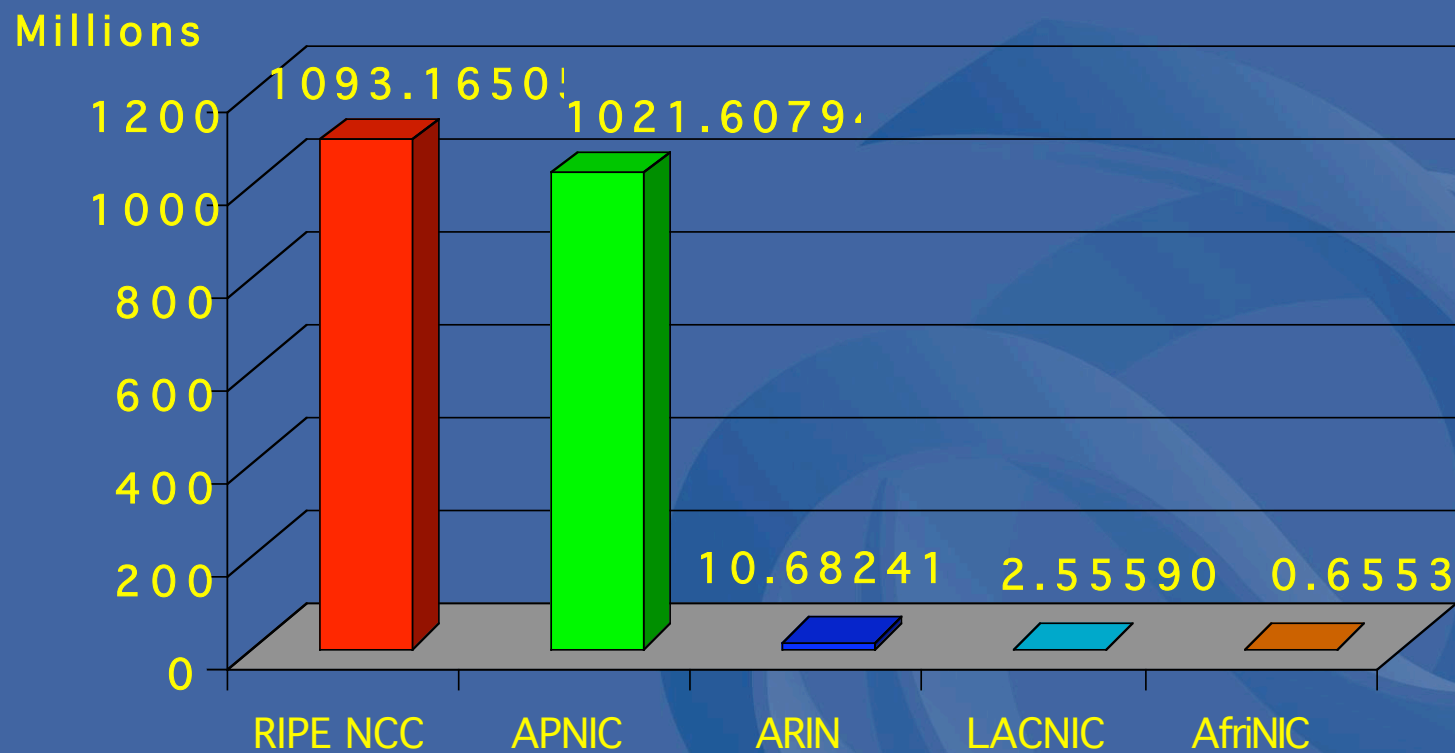
# RIR IPv6 Allocations (as of July 2005)



Note: number of “various sizes” allocations



# Amount of address space allocated by each RIR in /48s (21/08/2005)



Source: <http://www.ripe.net/rs/ipv6/stats/>

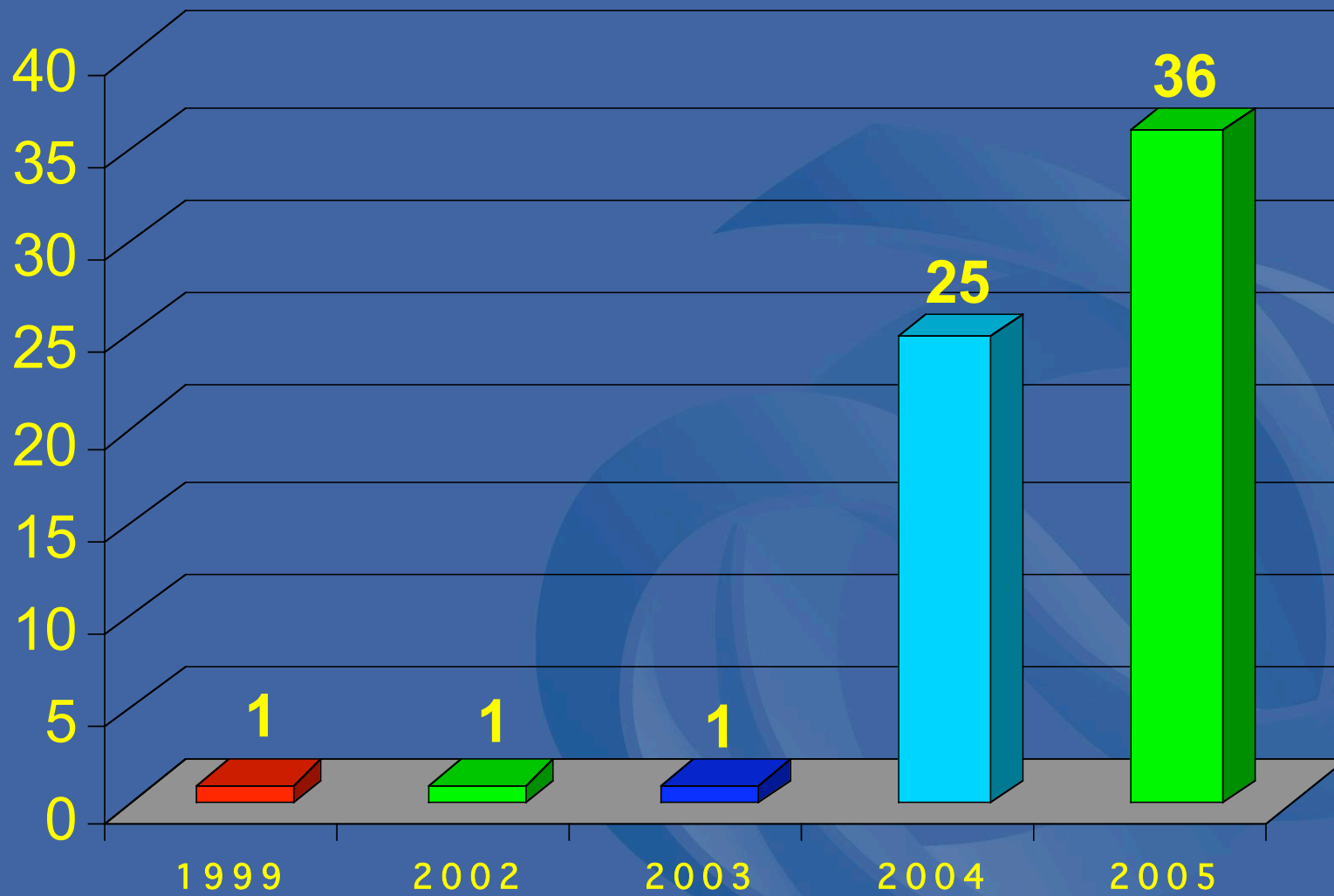


# IANA IPv6 Allocations to APNIC

- 2001:0200::/23 (Jul 99)
- 2001:0C00::/23 (May 02)
- 2001:0E00::/23 (Jan 03)
- 2001:4400::/23 (Jun 04)
- 2001:8000::/19 (Nov 04)
- 2001:A000::/20 (Nov 04)
- 2400:0000::/19 (May 05)
- 2400:2000::/19 (Jul 05)
- 2400:4000::/21 (Aug 05)



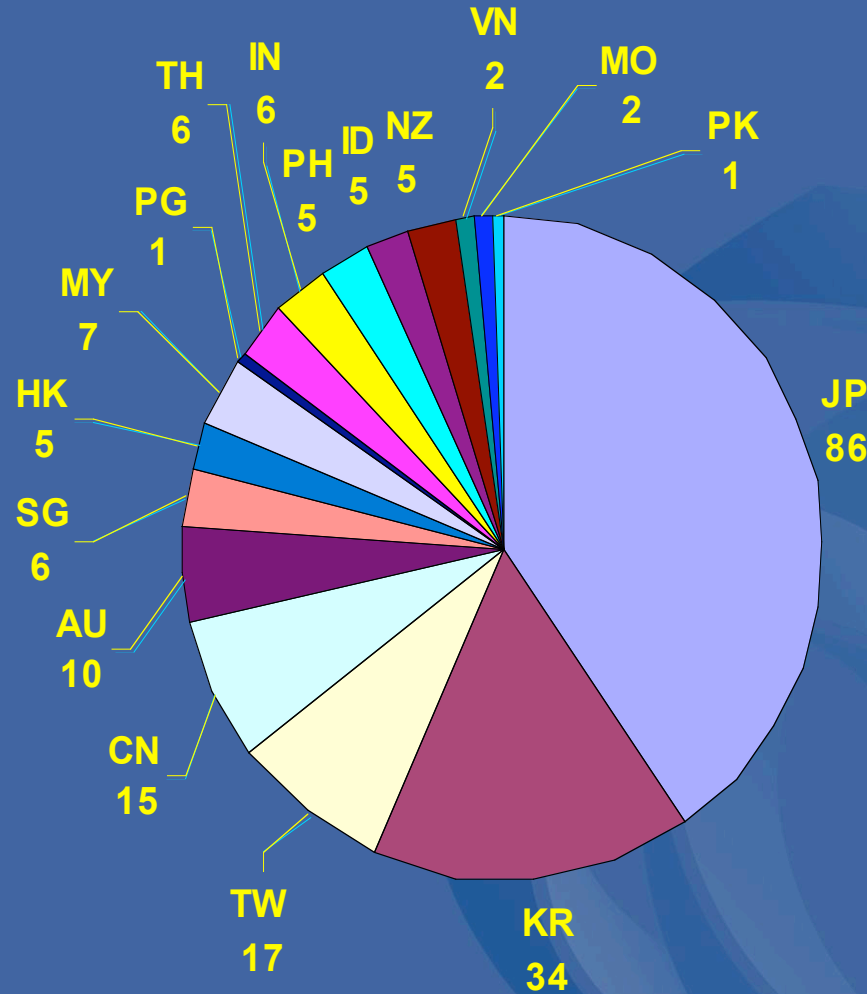
# IANA IPv6 Allocations to APNIC (no of /23s)



As of August 2005



# Total APNIC IPv6 Allocations by Economy





# APNIC IPv6 Allocations by Year





# Large IPv6 Allocations

- IPv6 allocations to IPv4 networks
  - /20 JP – Softbank
  - /28 JP – Vectantnet
  - /20 KR – Kornet
  - /30 NZ – Telstra Clear
- Expansion of the initial allocation space for existing v6
  - /21 + /30 JP (kept initial /30) - NTT-WEST
  - /20 AU (renumbering initial /32) - Telstra



# New Fee Structure for NIR and Confederations

- 90% discount will be applied to per address fees
  - NIR members with existing IPv4 infrastructure only
- Waived per address fees for allocations
  - confederation members
  - will maintain a single pool

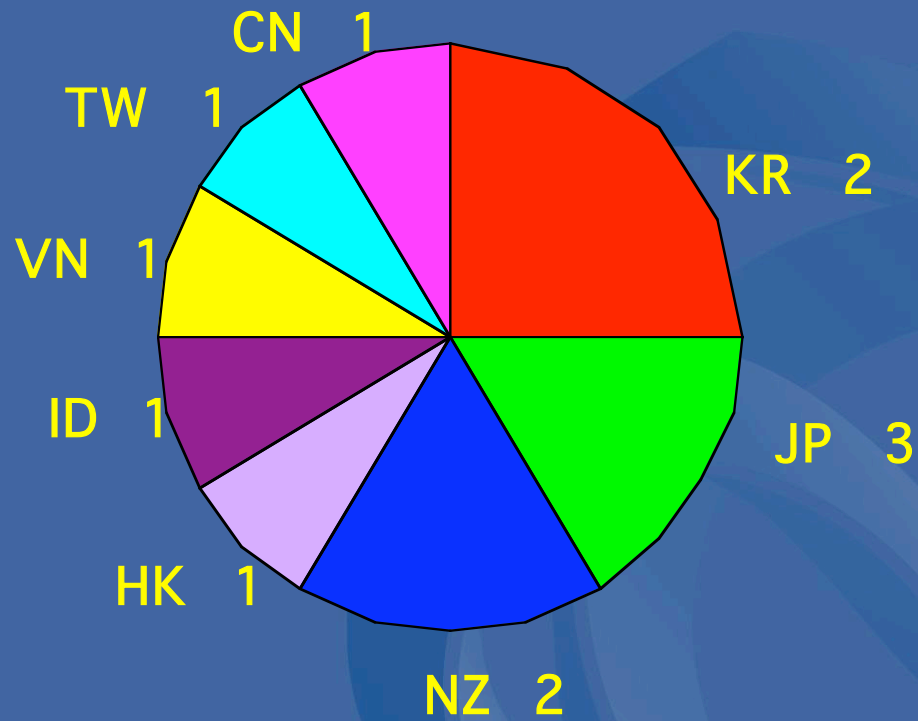
# Experimental Allocations

- Experimental Networks
  - 2001:0DE0::/32 Allocation for WIDE Japan
    - IPv6 allocation for a field test of v6 DNS service with anycasting
  - Document of the experiment will soon be published at the following URL:

[http://icons.apnic.net/index.php?option=com\\_docman&task=cat\\_view&gid=95&Itemid=93](http://icons.apnic.net/index.php?option=com_docman&task=cat_view&gid=95&Itemid=93)

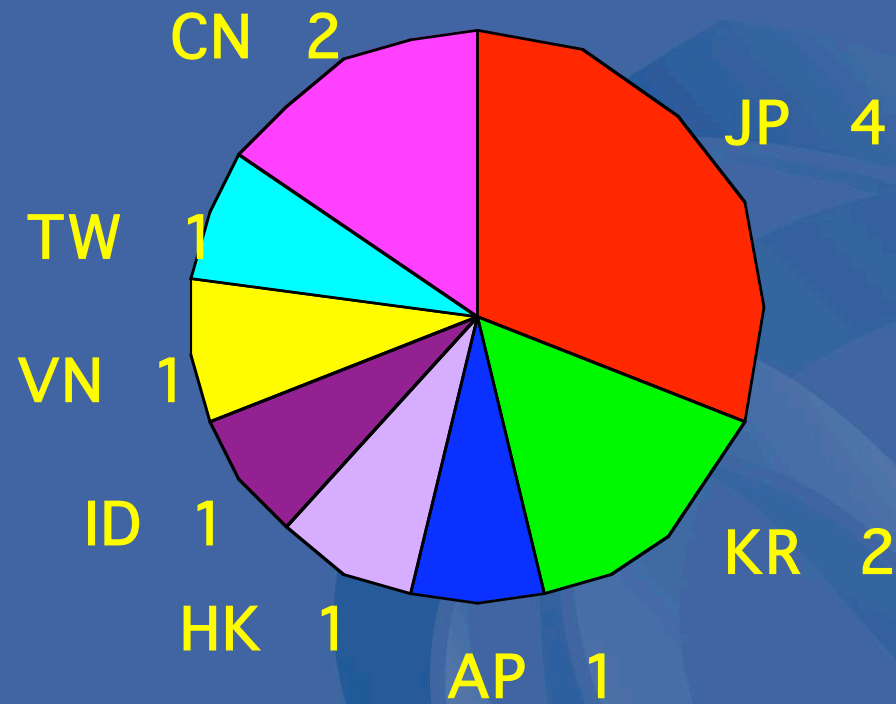


# IPv6 IX Assignments (/64 & /48)



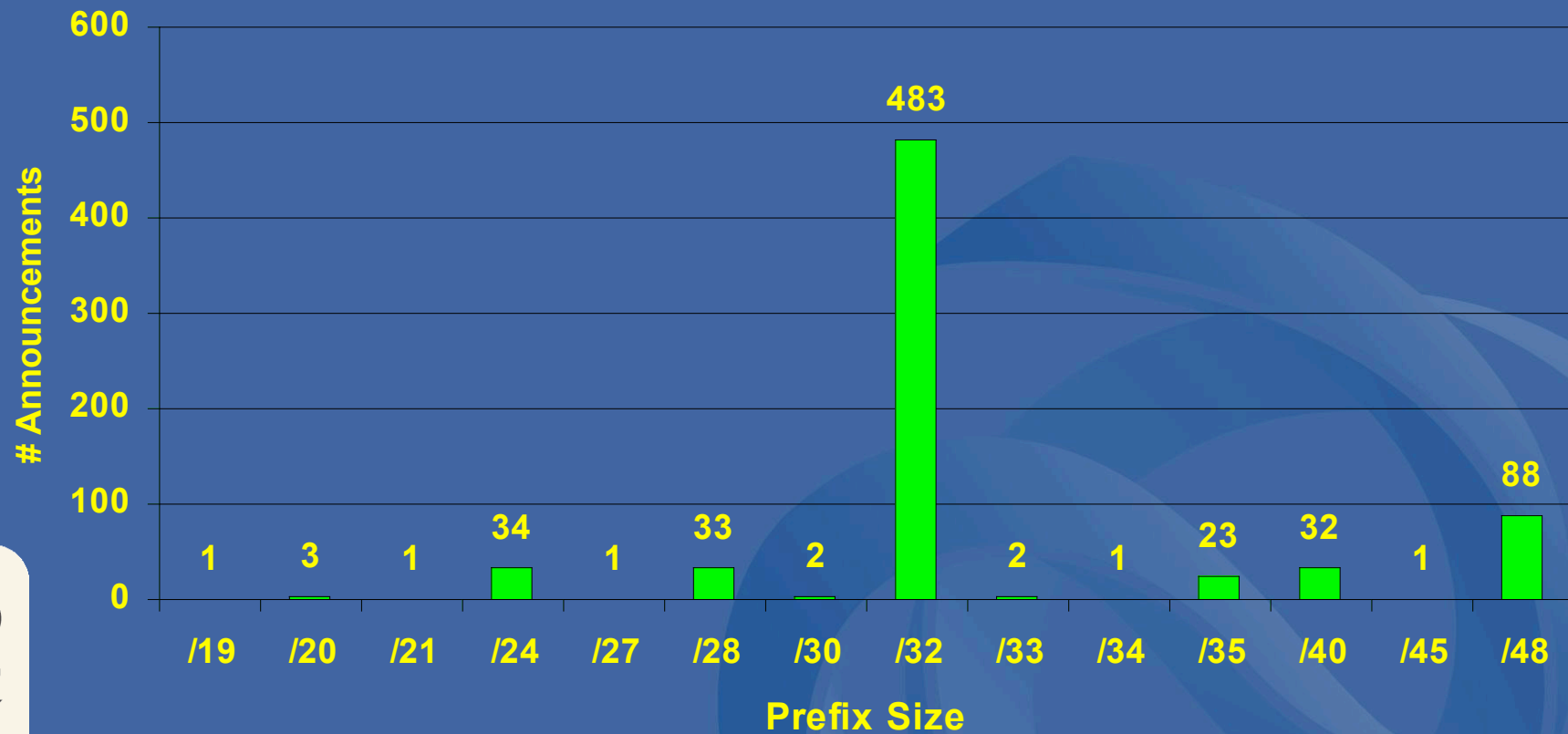


# IPv6 Critical Infrastructure Assignments (/32)





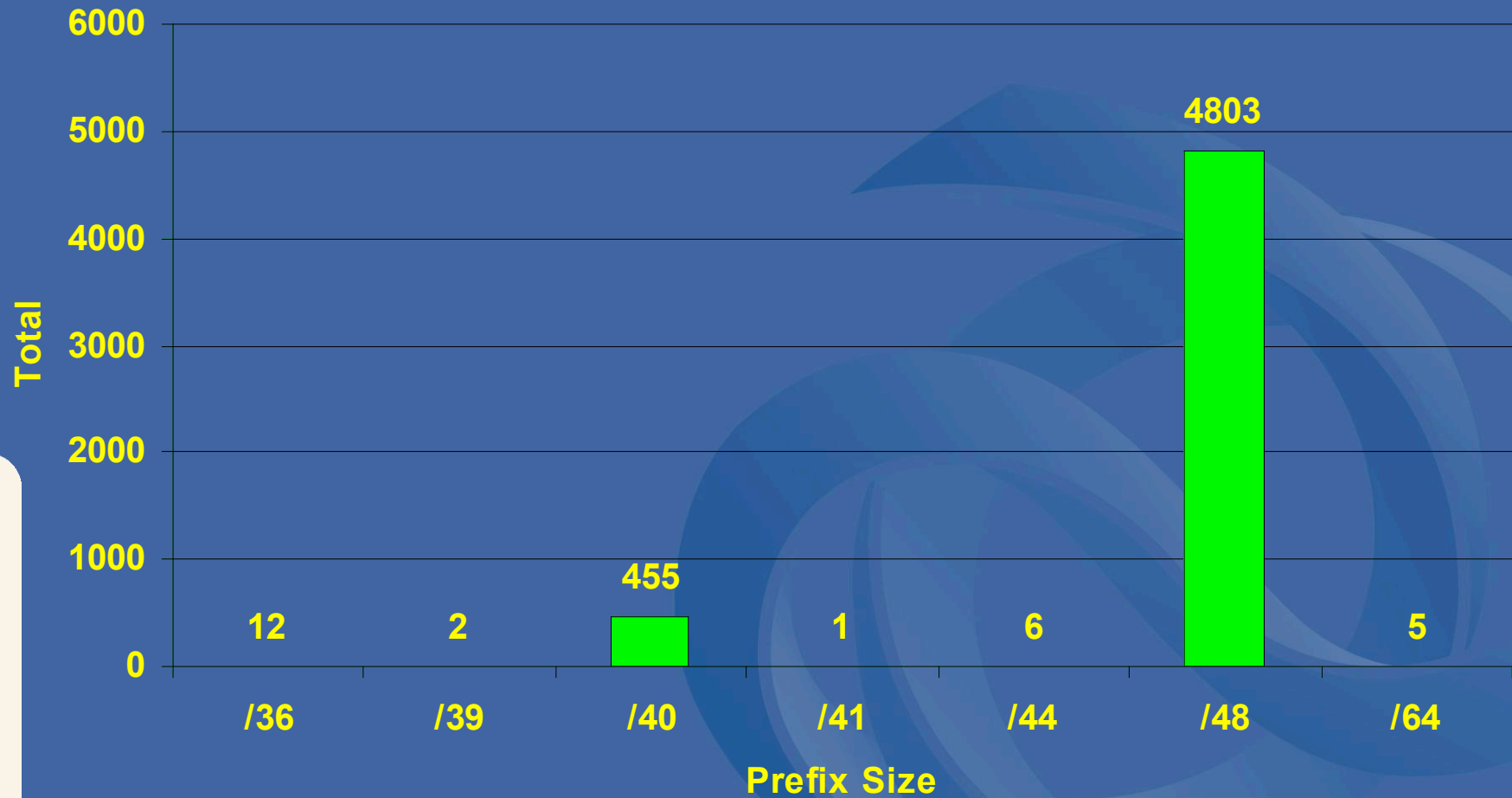
# IPv6 Routing Table



Data obtained from AS4608 on 4 Aug 2005



# APNIC whois Assignment Registrations





# Questions?

- Thank you!

