



APNIC

ARIN
American Registry for Internet Numbers



Regional Internet Registries

Statistics

&

Activities

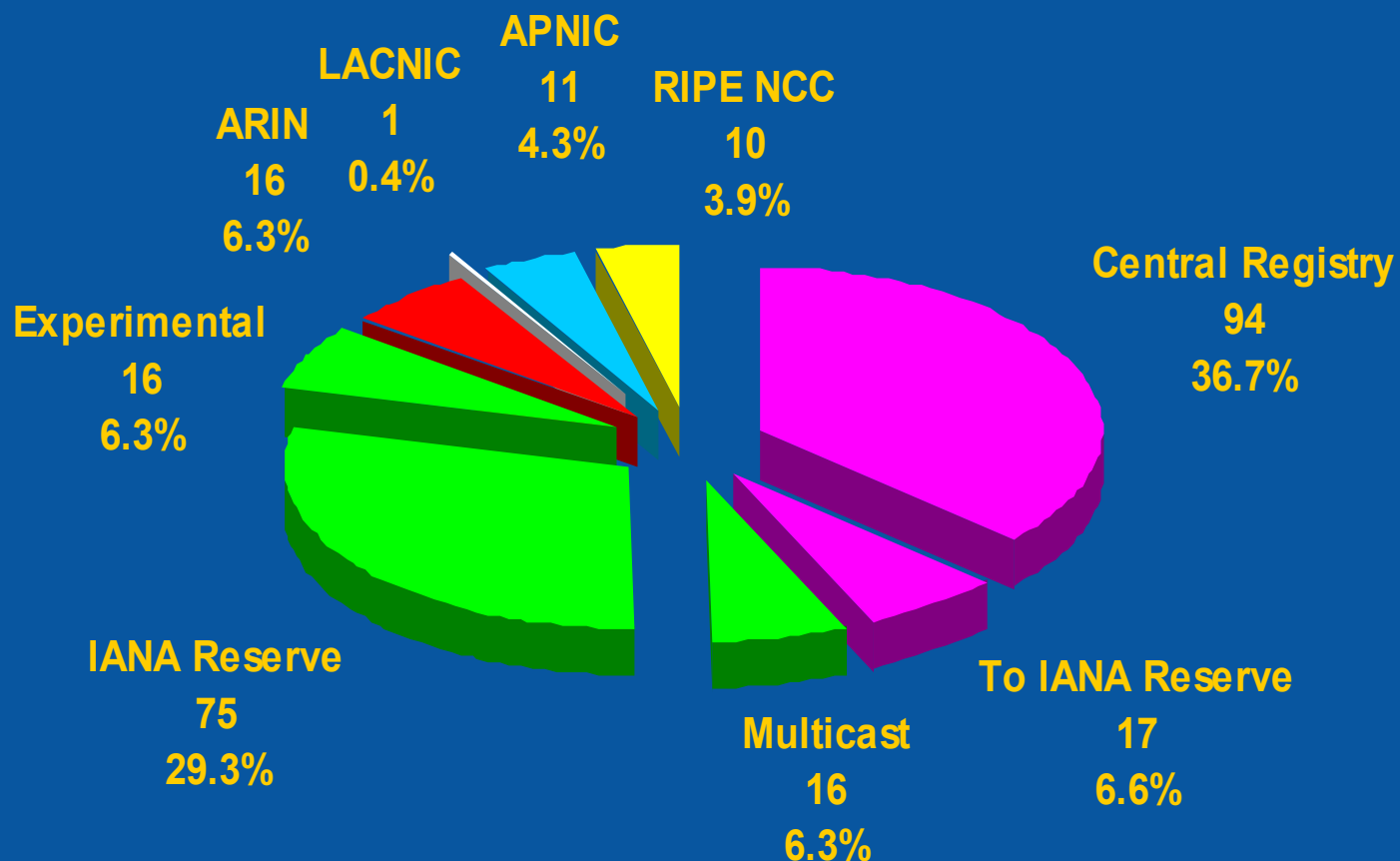


Prepared By
APNIC, ARIN, LACNIC, RIPE NCC

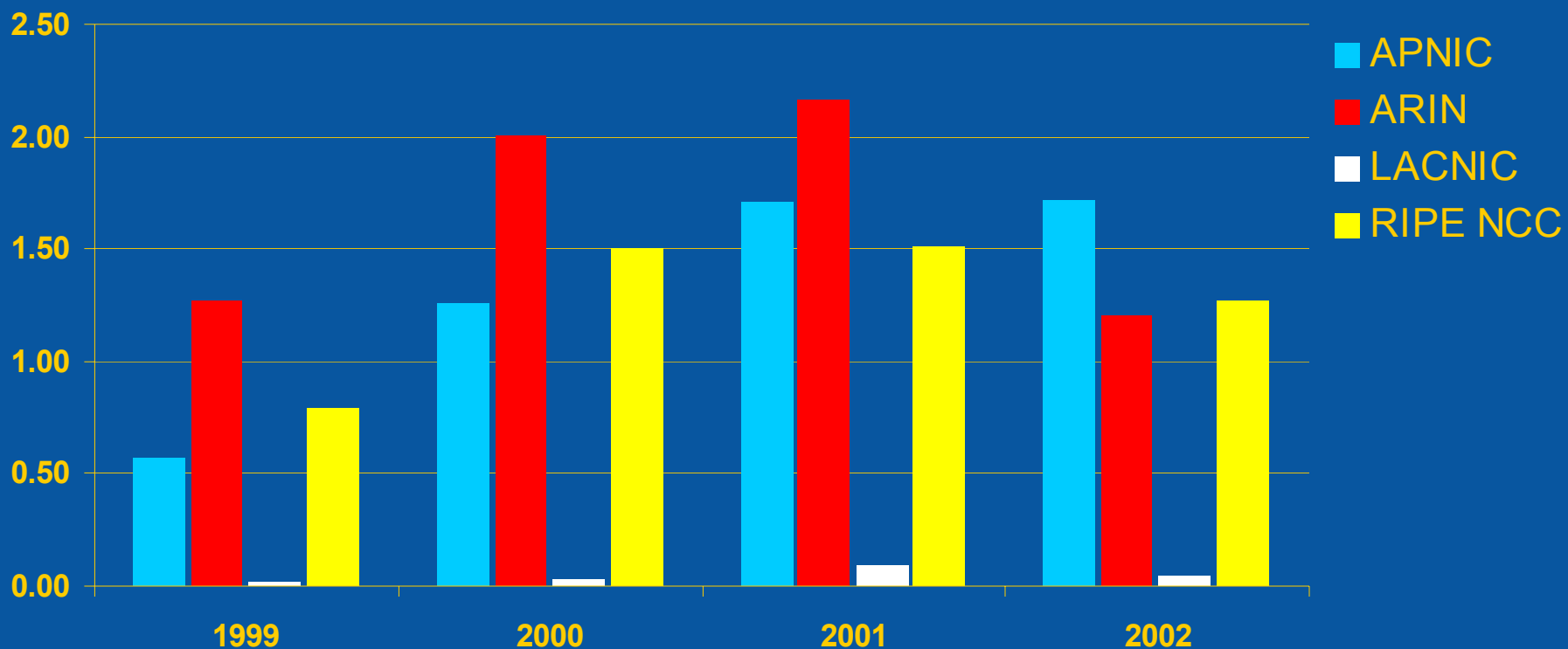
Statistics



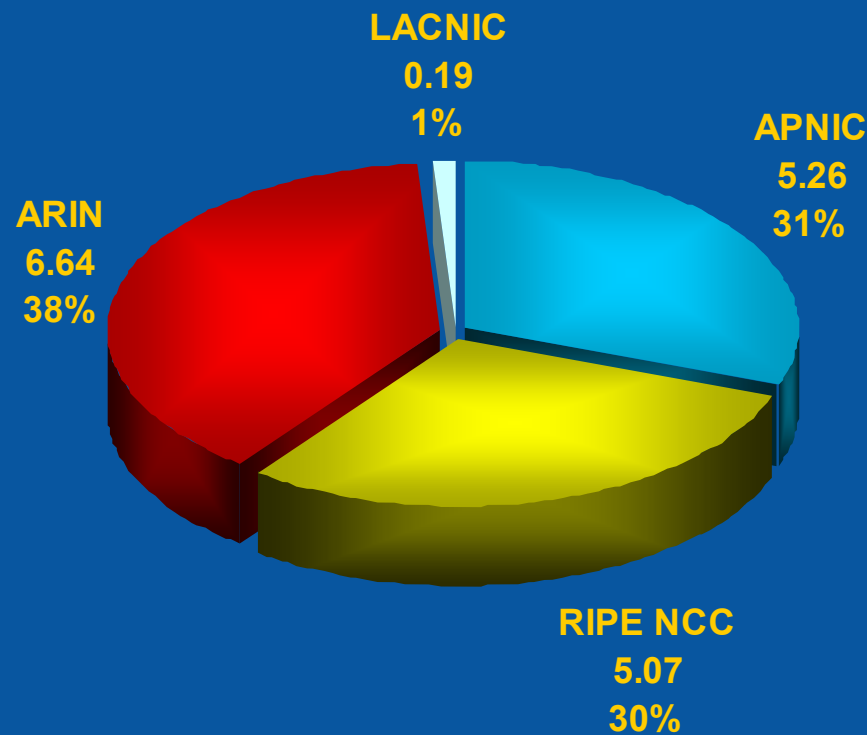
IPv4 /8 Address Space Status



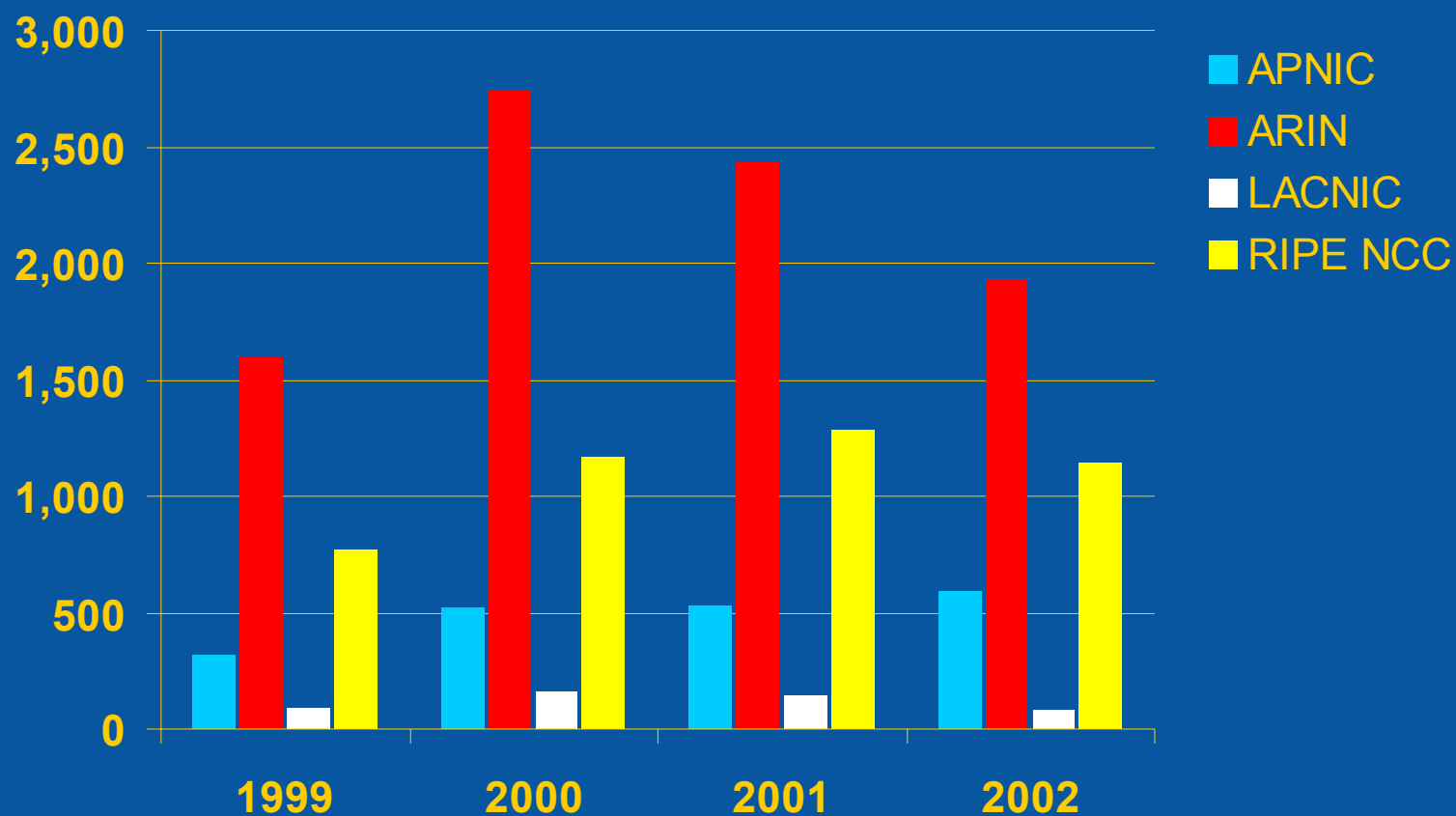
IPv4 Allocations from RIRs to LIRs/ISPs Yearly Comparison



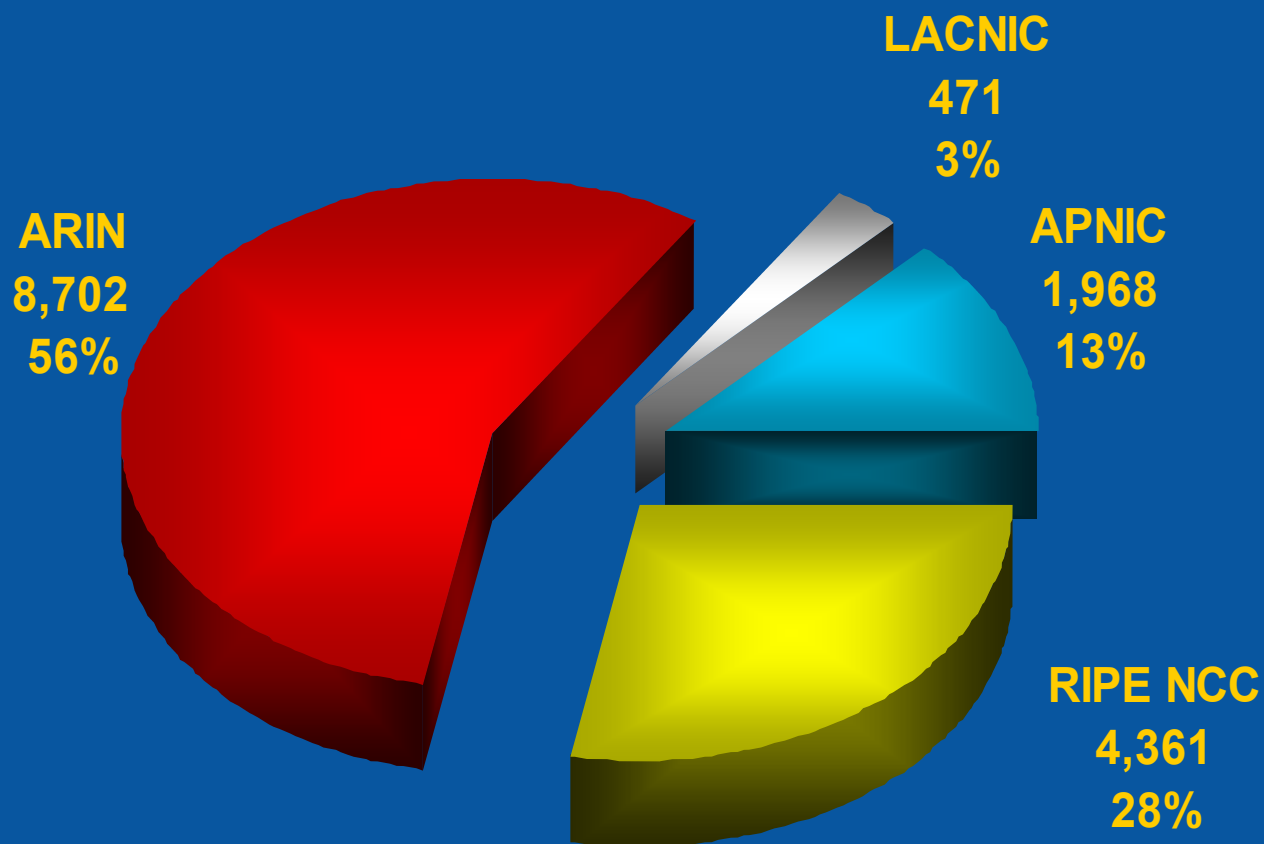
IPv4 Allocations from RIRs to LIRs/ISPs Four-Year Cumulative Total (1999 – 2002)



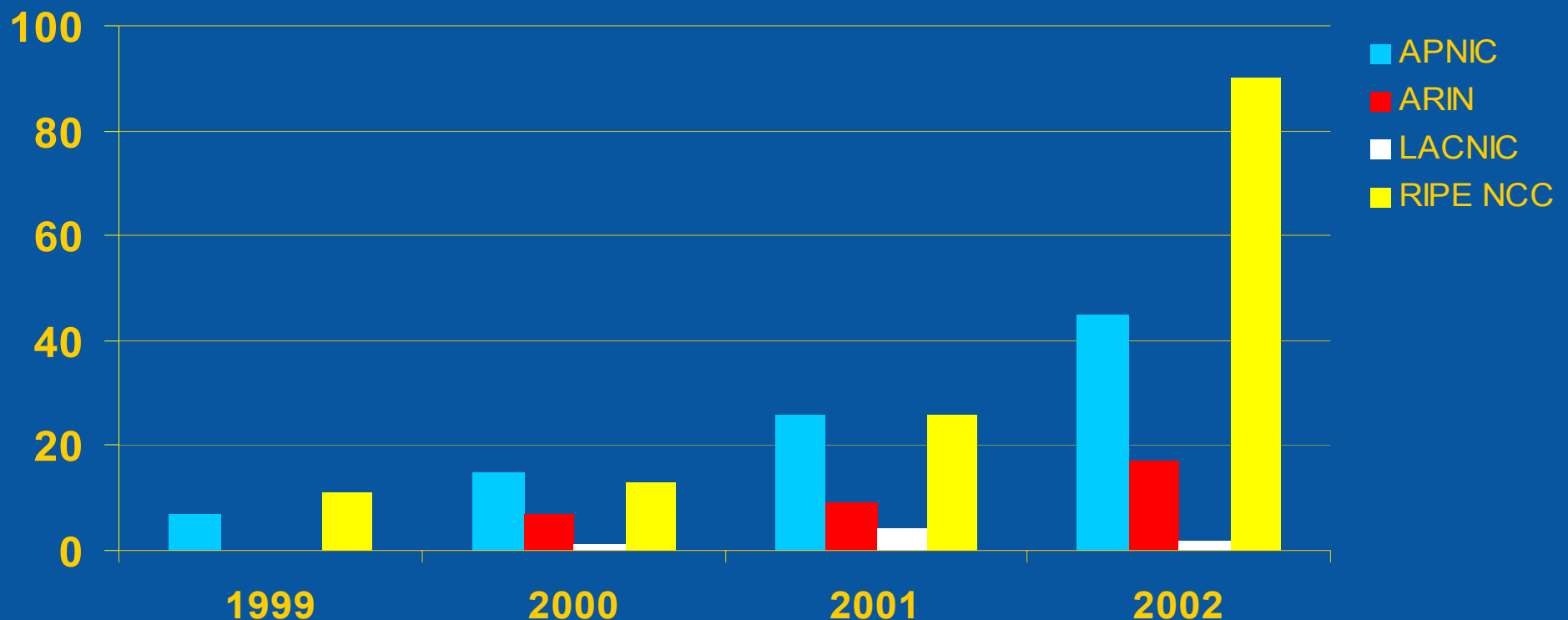
ASN Assignments from RIRs to LIRs/ISPs Yearly Comparison



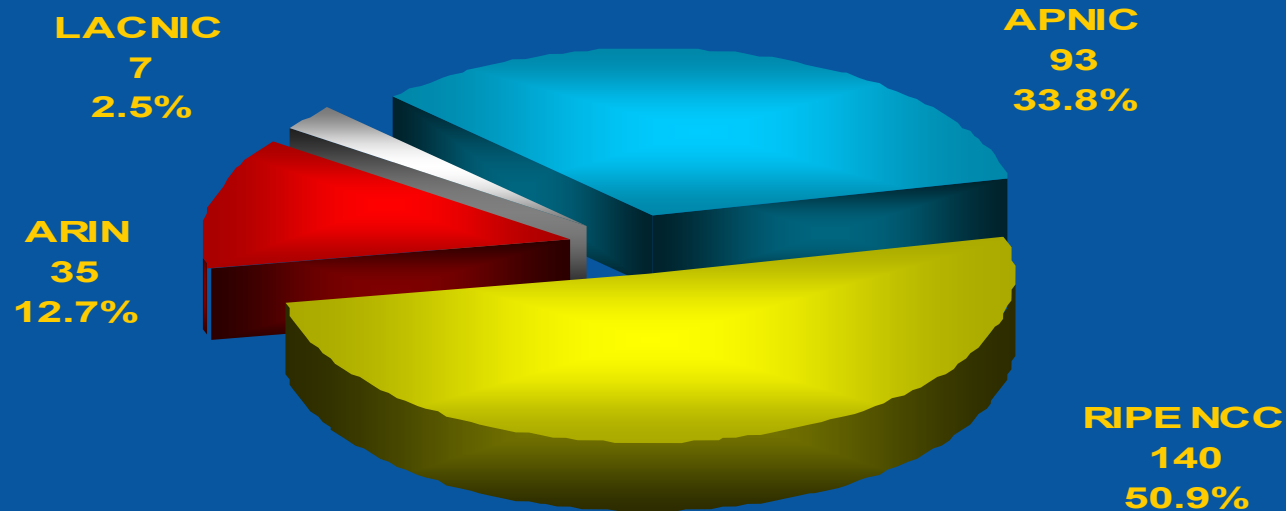
ASN Assignments from RIRs to LIRs/ISPs Four-Year Cumulative Total (1999 – 2002)



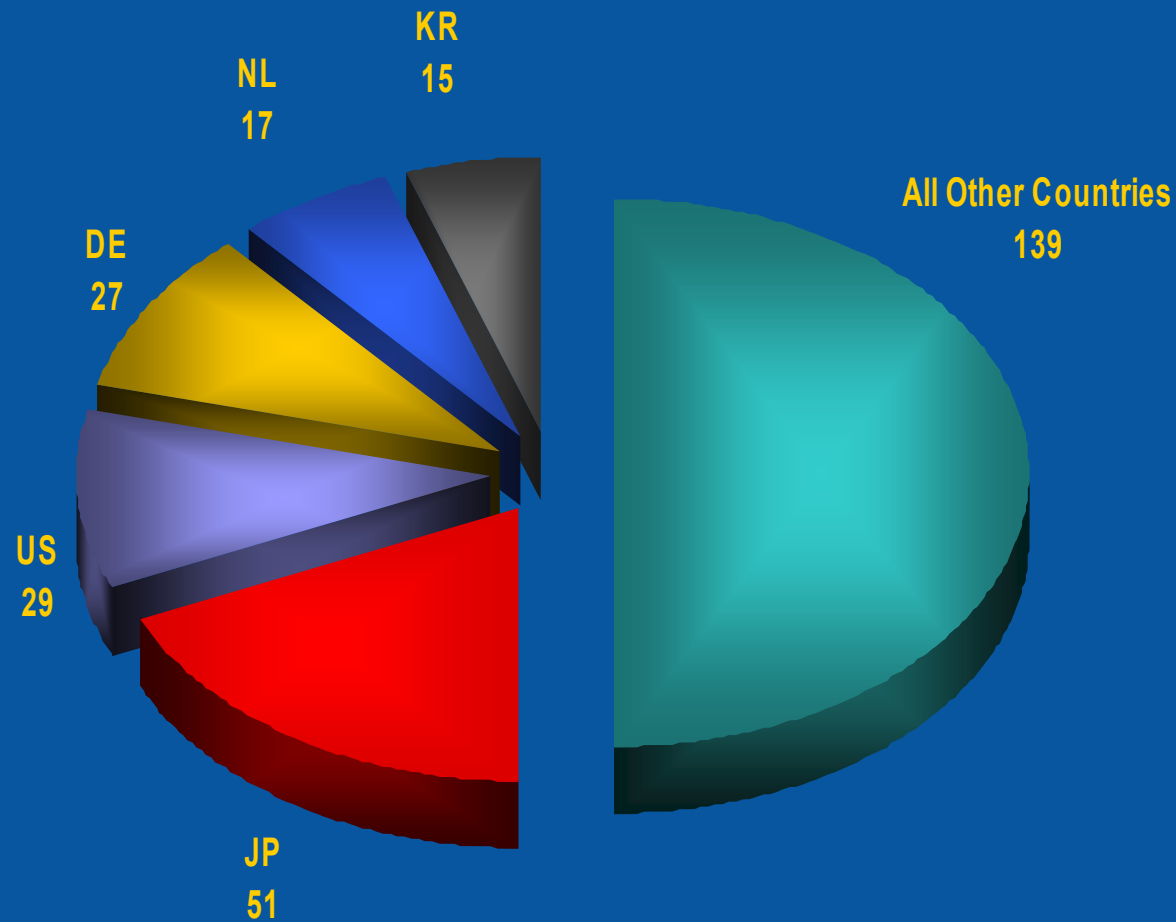
IPv6 Allocations from RIRs to LIRs/ISPs Yearly Comparison



IPv6 Allocations from RIRs to LIRs/ISPs Four-Year Cumulative Total (1999 – 2002)



Total IPv6 Allocations from RIRs to LIRs/ISPs By Country



Links to RIR Statistics

Raw Data/Historical RIR Allocations:

<http://www.aso.icann.org/rirs/stats/index.html>

<http://www.iana.org/assignments/ipv4-address-space>

RIR Stats:

<http://www.apnic.net/info/reports/index.html>

<http://www.arin.net/statistics/index.html>

<http://www.lacnic.net/IP-ASN-LACNIC-stat-en.pdf>

<http://www.ripe.net/ripenncc/pub-services/stats>

Joint Activities



**ASO
Support**

- 2002 Secretariat - ARIN
- 2003 Secretariat - APNIC

Activities

Outreach

- AfriNIC
- IPv6 Forum

Coordination

- IPv6 Policy Revision
- ERX Project
- Staff Exchange
- ICANN

APNIC



Policy Developments at APNIC15 (1)

- Consensus decisions
 - Database SIG
 - ‘whois’ database cleanup
- Rough consensus: needs ML discussion
 - Address Policy SIG
 - APNIC policy and document review processes
 - Widen process to give increased opportunity for input using mailing lists before and after meeting
 - IPv6 ‘sparse allocation’ address management
 - Based on RIPE-261
 - Some concerns about regional filtering

Policy Developments at APNIC15 (2)

- Rough consensus: needs ML discussion
 - DNS SIG
 - Sweeping lame delegations
- More ML discussion needed
 - Address policy SIG
 - An interim scheme for signing the DNS root
 - Delegation of 2.0.02.ip6.arpa
 - IPv6 policy in action – feedback
 - Database SIG
 - Requirements for running a local ‘whois’
- Presentations & SIG reports available at
 - <http://www.apnic.net/meetings/15/schedule/index.html>
 - <http://www.apnic.net/meetings/15/amm/index.html>

APNIC Service Developments

- APNIC meetings
 - Purchased language translation equipment
 - Multicast of all meetings
- Hostmaster/Training
 - ‘Train the trainer’ for staff for DNS courses
- Technical
 - Distributed service architecture - POPs in major IXPs
 - HKIX presence now established
 - Call for ‘EOI’ for new sites made
 - Exploring native IPv6 transport
 - Host level IP is live for DNS
 - Anycast ‘F’-rootserver deployed in HKIX

ARIN



Activities

- Implemented Lame Delegation Policy
- ERX
- RWhois Design Team
- Staff Exchange
 - Nov 2002 RIPE NCC Hostmasters
 - Feb 2003 APNIC Engineering

Immediate Plans

- Continue
 - Lame Delegation Cleanup
 - ERX
- Data Base
 - Continue RWhois Efforts
 - Integrate RWhois Research Efforts with CRISP
- Develop CA
- Produce “Using ARIN’s Whois” CBT
- Staff Exchange
 - April APNIC Hostmaster
 - June LACNIC Member Services



The meeting is at the **Peabody Hotel!**



Don't Miss These Activities:

- **Policy Discussions**
- **Tutorials / Training**
- **IPv6 Mini Workshop**
- **Help Desk**
- **Learning Center**
- **4th Annual Foosball Tournament**
- **Social Event @ BB King's**



ARIN XI

April 6 - 9, 2003

Memphis, TN



Watch **www.arin.net** for Info

LACNIC





LACNIC Background

- became the fourth RIR in October 31st 2002:
 - resolution of ICANN Board in Shanghai Meeting.
 - <http://www.icann.org/minutes/prelim-report-31oct02.htm#FinalApprovalofLACNIC>
 - Confirmed through the IANA Report in November 7th 2002
<http://www.iana.org/reports/lacnic-report-07nov02.htm>
 - incorporated as an independent, not-for-profit and open bottom-up membership organization.
- Legal establishment is in Montevideo, Uruguay.
- Headquarters in Montevideo, Registration Services are based in Sao Paulo, Brazil.
- LACNIC currently manage the next resources for its region :
 - IPv4 200/8, (84 % allocated)
 - IPv6 2001:1200::/23
 - ASN 27648 – 28671 and 26592 - 26623 . Total ASN - 1056



LACNIC POLICY ACTIVITIES

- LACNIC IV - April 23rd – 25th 2003, Santiago, Chile.
- www.lacnic.net/en/lacnicIV.html
- LACNIC IV includes the Open Policy Forum and Members Assembly
- Hosting the ASO General Assembly.
- 7 working groups working toward LACNIC IV. (proposals will be published on Apr. 4th).
 - DNS Lame delegation
 - Allocation of Internet resources for experimental use
 - Bulk Whois
 - IPv6 Microallocation
 - Microallocation for End User (Multihoming)
 - Allocation windows
 - NAP microallocations
- LACNIC used to work based on the ARIN's policies until LACNIC III.
- LACNIC's first complete policy document was approved during LACNIC III. November, 2002. <http://lacnic.net/en/policies-m.html>

RIPE NCC



RIPE Region Policy Update

- IPv4 Policy
 - Sub-Allocation Policy – accepted (Q2)
 - Portable address space Task Force established
- IPv6 policy
 - Discussion of revision to common policy begun
- LIR-WG name change
 - Clarification of where policy is developed

RIPE NCC Service Developments (1)

- Improved service level in 2002
 - Response time 2 days or fewer
 - Simplified documentation & change log
- LIR Portal (secure member access)
 - v.1 launch in Feb. 2003
 - View and update contact information
 - Mailing list subscription
 - Online services integrated with resource information
 - <https://lirportal.ripe.net>
- PKI – uniform secure communication
- Early Registration Transfer Project
 - 4 test /8s being transferred now
 - Close co-ordination between RIRs

RIPE NCC Service Developments (2)

- IPv6 Update
 - 175 IPv6 allocations in total
 - <http://www.ripe.net/ipv6/ipv6allocs.html>
 - TTM IPv6 ready
 - Whois accessible by IPv6
 - RPSLNg prototype under development
 - ns.ripe.net accessible by IPv6
- New “Hostmaster Robot” for Q2 2003
 - Simpler forms
- NSD deployed on k-root – Feb. 2003
- MyAS prototype released
- Internet Incident reporting - “MS SQL Slammer”

THANK YOU



Prepared by APNIC, ARIN, LACNIC and RIPE NCC