APNIC
ARIN
American Registry for Internet Numbers
LACNIC
Ripe
NCC

Regional Internet Registries

Statistics & Activities

IEPG @ IETF 57
Wien

Prepared By
APNIC, ARIN, LACNIC, RIPE NCC

Overview

- Internet Number Resource Status Report
- RIR Activities
  - Joint
  - APNIC
  - ARIN
  - LACNIC
  - RIPE NCC

APNIC

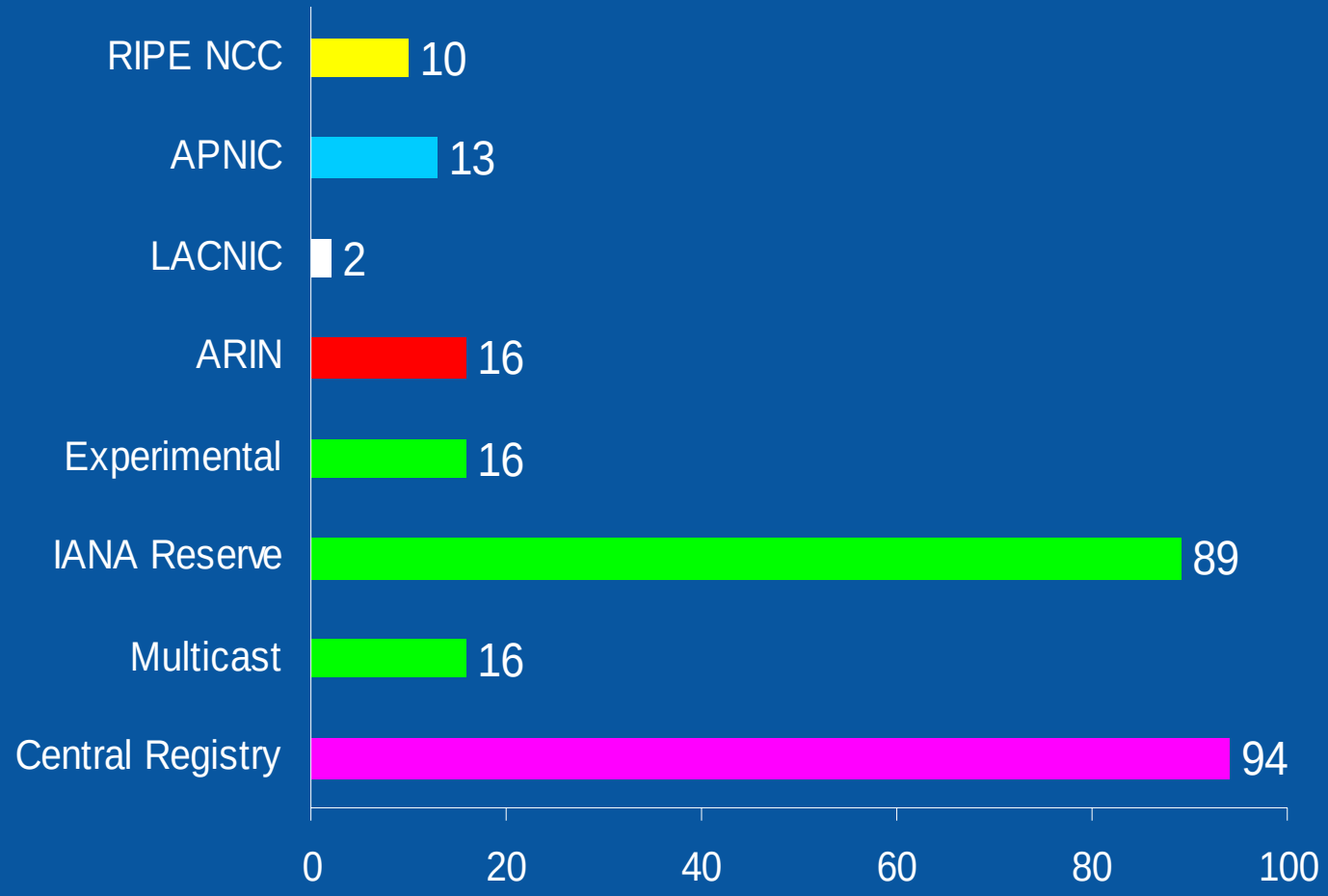
ARIN
American Registry for Internet Numbers

LACNIC

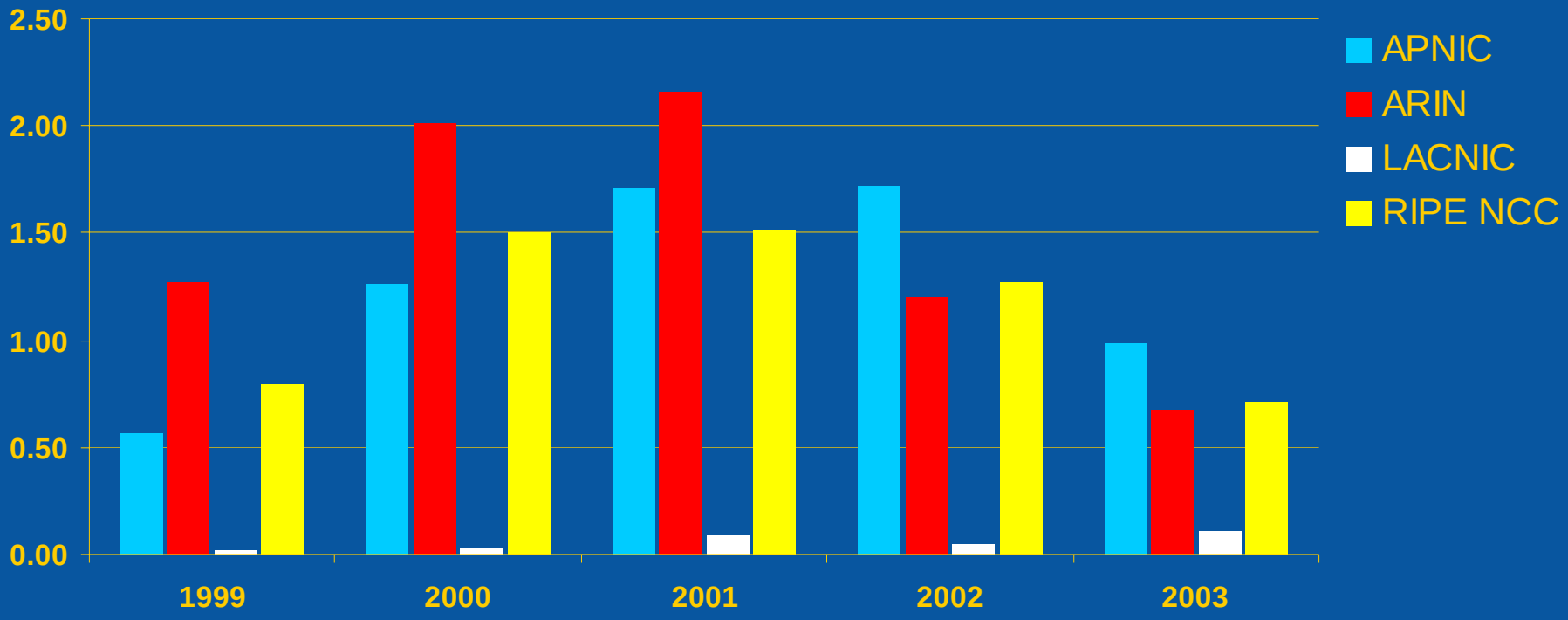
Ripe NCC

Internet Number Resource Status Report

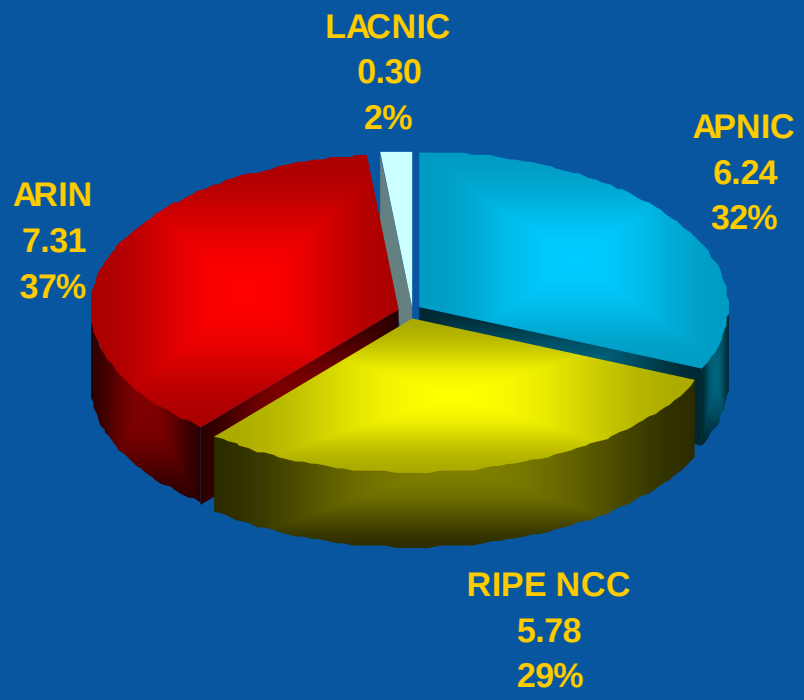
IPv4 /8 Address Space Status



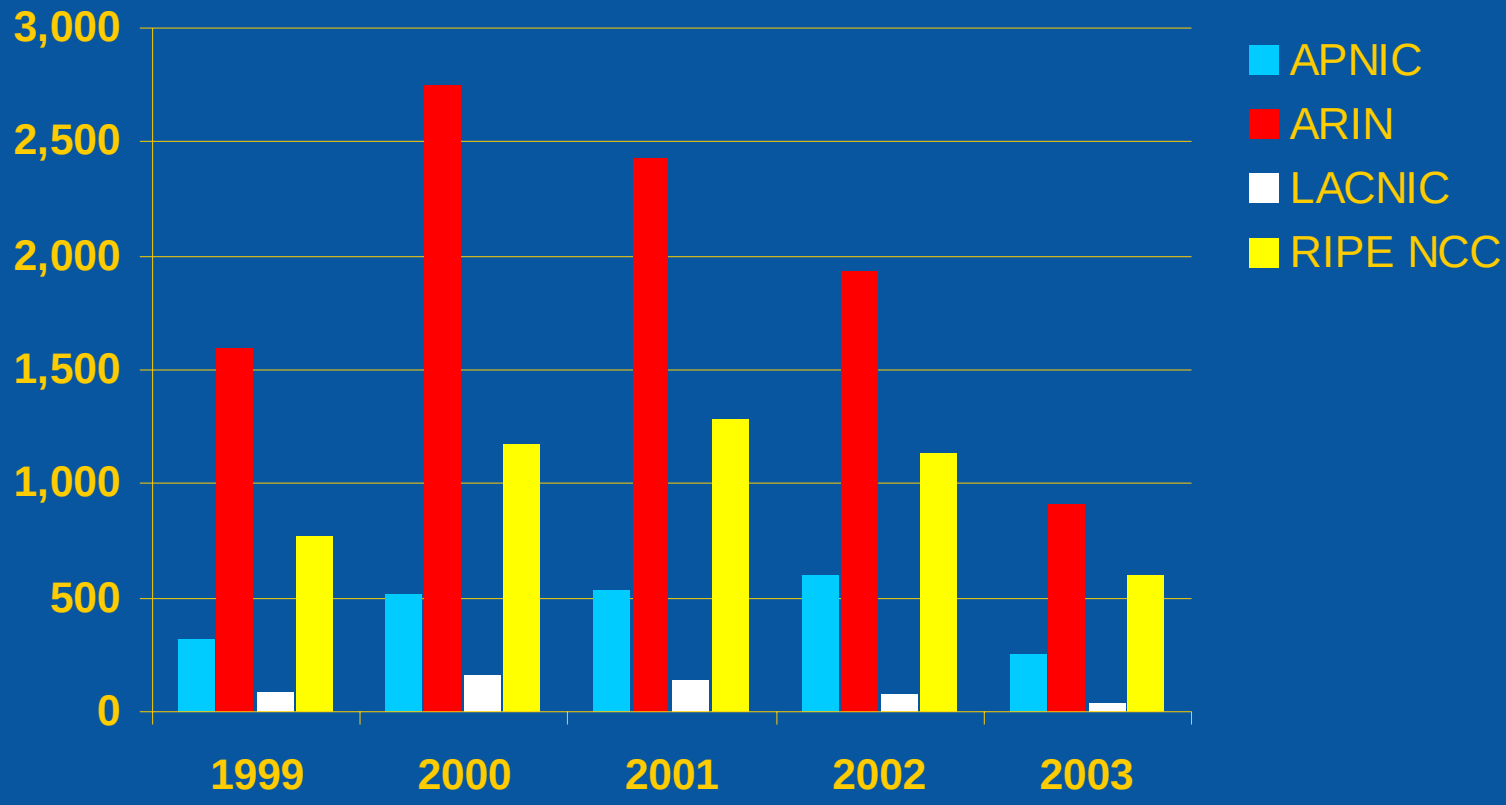
IPv4 Allocations from RIRs to LIRs/ISPs
Yearly Comparison
As Of 30 June 2003



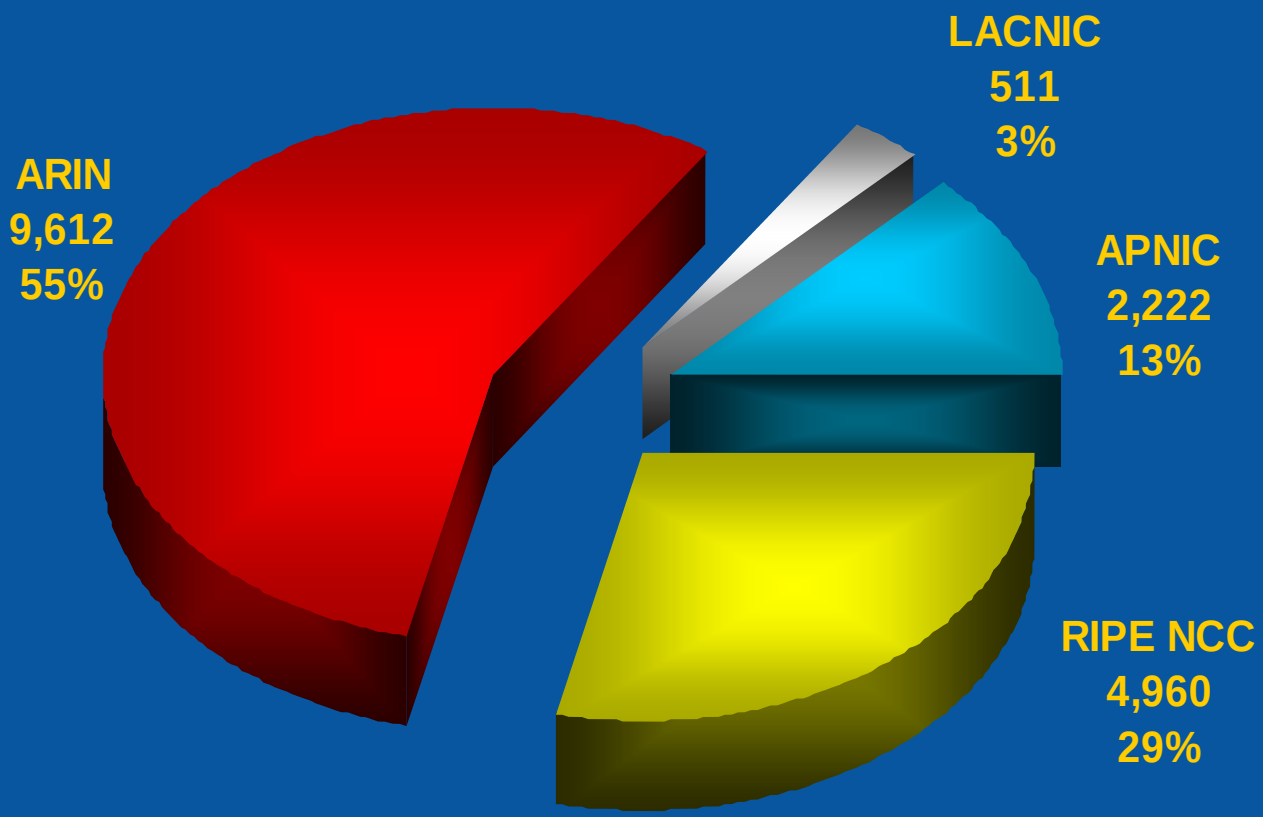
IPv4 Allocations from RIRs to LIRs/ISPs Cumulative Total (1 January 1999 – 30 June 2003)



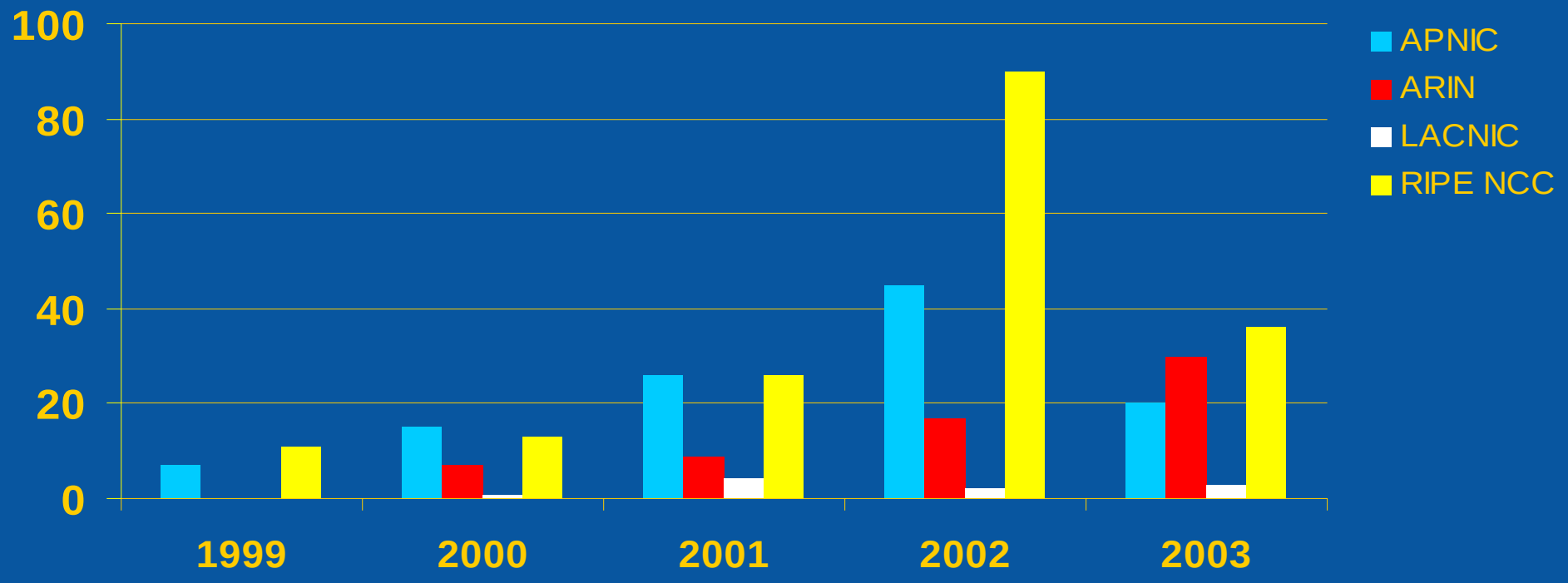
ASN Assignments from RIRs to LIRs/ISPs
Yearly Comparison
As Of 30 June 2003



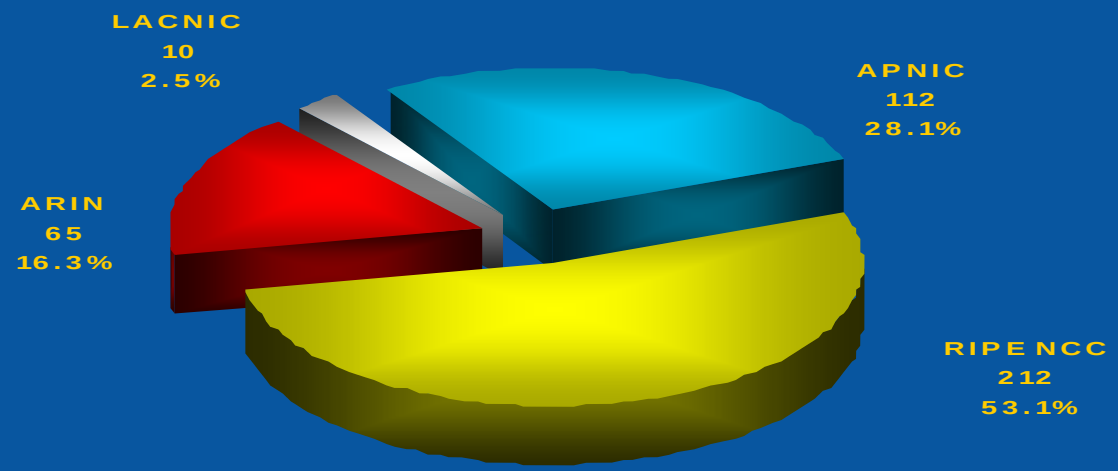
ASN Assignments from RIRs to LIRs/ISPs Cumulative Total (1 January 1999 – 30 June 2003)



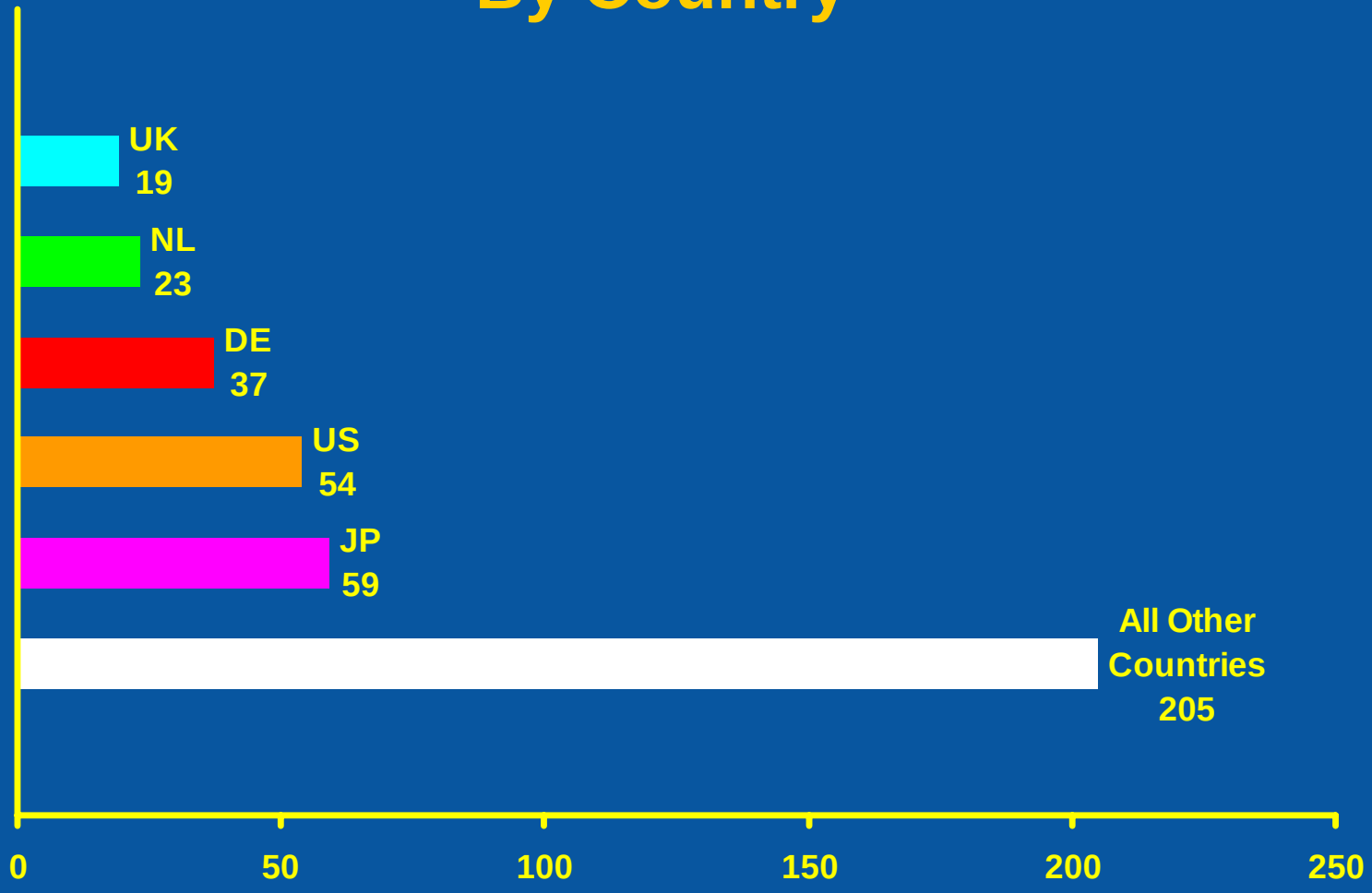
IPv6 Allocations from RIRs to LIRs/ISPs Yearly Comparison



IPv6 Allocations from RIRs to LIRs/ISPs Cumulative Total (1 January 1999 – 30 June 2003)



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/en/est.html

http://www.ripe.net/ripencc/pub-services/stats

Joint Activities

ASO Support

- 2003 Secretariat - APNIC

Activities

Outreach

- Emerging RIR Workshop

Coordination

- Eng-Coord Meeting
- IPv6 Policy
- ERX Project
- Staff Exchange
- RIR / ICANN MoU

APNIC

Policy Developments

- Approved at APNIC 15
  - Database cleanup
  - DNS lame delegation cleanup
  - Requirements for local “whois” servers
- More work needed
  - Policy process improvements
  - IPv6 sparse allocation (RIPE 261)
  - Signing the root
  - Delegation of 2.0.0.2.ip6.arpa
  - IPv6 policy review/feedback
- See: http://www.apnic.net/meetings/15

Asia Pacific Network Information Centre
APNIC

Service Developments

- Database
  - RIPE 3.1.1 with local policy mods
  - Rate limiting
  - Data cleanup implementation
  - Early Registration Transfer (ERX)
- IPv6
  - Website, ftp, email, whois (via web) enabled
  - DNS in JP and AU now listed in IPv6
- F-root
  - HK upgraded and operational
  - KR and CN due in August

Asia Pacific Network Information Centre
APNIC

Service Developments

- MyAPNIC
  - whois object management
- CA
  - Certificate life-cycle management
- Coming soon…
  - New internal registry systems
  - New statistics publication
  - Complete RIR database mirroring
  - DNSSEC?

Coming soon… APNIC 16

Seoul, Korea - 19 to 22 August 2003

with interpretation, multicast, real-time reporting

http://www.apnic.net/meetings

All welcome!

Asia Pacific Network Information Centre
APNIC

ARIN

Activities

- Lame Delegation Project
- ERX
- Hijacking
- CRISP

Policy Proposals

2003- 1: Required Performance of Abuse Contact	Deferred
2003- 2: Network Abuse	Deferred
2003- 3: Residential Customer Privacy	Deferred
2003- 4: IPv6 Policy Changes	Deferred
2003- 5: RWhois Server Use Requirements	Last Call
2003- 6: Micro-Assignments with Sponsorship	Rejected
2003- 7: Announcement of New ARIN IPv4 Blocks	Rejected
2003- 8: End-User to Subscriber Member Status Change	Rejected
2003- 9: WHOIS Acceptable Use	Deferred
2002- 2: Experimental Internet Resource Allocations	Deferred
2002- 3: Micro-Assignments for Multihomed Networks	Deferred
2002- 5: Amnesty Requests	Last Call
2002- 6: Aggregation Requests	Last Call

NANOG and ARIN

American Registry for Internet Numbers

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Sunday, Oct. 19 –
Tuesday, Oct. 21

XII

Wednesday, Oct. 22-
Friday, Oct. 24

CHICAGO!!

LACNIC

LACNIC General Information

- Became the fourth RIR in October 31st 2002: *www.lacnic.net*
- Completely integrated and involved in all the RIR's activities.
- Engineer Projects
  - Full IPv6 support in the system and IPv6 transport for all the services.
  - Improving the systems
    - Automated Invoicing System
    - New PoC in the entity object (Billing and Membership)
    - New features to analyze statistic information to be launched in August. (Datawarehousing)
    - Client Accounting System
    - Customization of ARIN's voting system with some new Add-on (to be used this year in the election).
  - Proactive in Reverse Delegation Lame.

LACNIC POLICY ACTIVITIES

LACNIC IV - April 23rd – 25th 2003, Santiago, Chile - www.lacnic.net/en/lacnicIV.html

Policies approved:

- IPv6 Microallocations *(Implemented)*
- Microallocation for End Users multihomed. *(Implemented)*
- Bulk Whois. *(Not implemented yet)*

Policies under discussion toward LACNIC V

- DNS Lame delegation
- Allocation of Internet resources for experimental use
- Allocation windows
- IPv6 revision.
- Rwhois

LACNIC's Policies - http://lacnic.net/en/policies.html

LACNIC's Policies Status - http://lacnic.net/en/des-pol.html

LACNIC Policy Development Process - Currently under dicussion. There is a draft to discuss and the discussion will continue in LACNIC V. http://lacnic.net/en/d-pol.html

LACNIC V

La Habana, Cuba
Nov. 19-20, 2003
Hotel Nacional

Enjoy the most famous Cuban show in the LACNIC V social event!!
TROPICANA

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

- Service level stable
  - < 2 days response time
  - Reducing Request Fulfilment Time
- LIR Portal
  - Major contributor to service level stability
  - Good uptake by members
  - Very positive comments about functionality
  - X.509 certificates integration
- PKI
  - Discussion of role of X.509 certificates
  - Integration into existing services

RIPE Organisational Update

- EOF revived at RIPE 45
  - Good success
  - More operational presentations requested to…
    dfk@ripe.net
- Working Groups
  - LIR WG became Address Policy WG
  - RIPE NCC Services WG introduced
    - Chair: Kurt Erik Lindqvist, kurtis@kurtis.pp.se
  - DNR and DNS WGs merged
- Webcasting proved popular
  - Will be continued

RIPE NCC Future Plans

- General Meeting 2003
  - To increase participation, adjacent to RIPE 46
  - 5 September 2003, announcements 25 July
- Focus on Membership
  - Regional membership meetings
  - Tie-in with regional government relations
- Information Services
  - Integration of Active Measurements, Incident Reporting, RIS, …
  - Presentations for various target groups

Thank You