



APNIC

ARIN
American Registry for Internet Numbers



Regional Internet Registries

Statistics

&

Activities



IEPG @ IETF 55
Atlanta

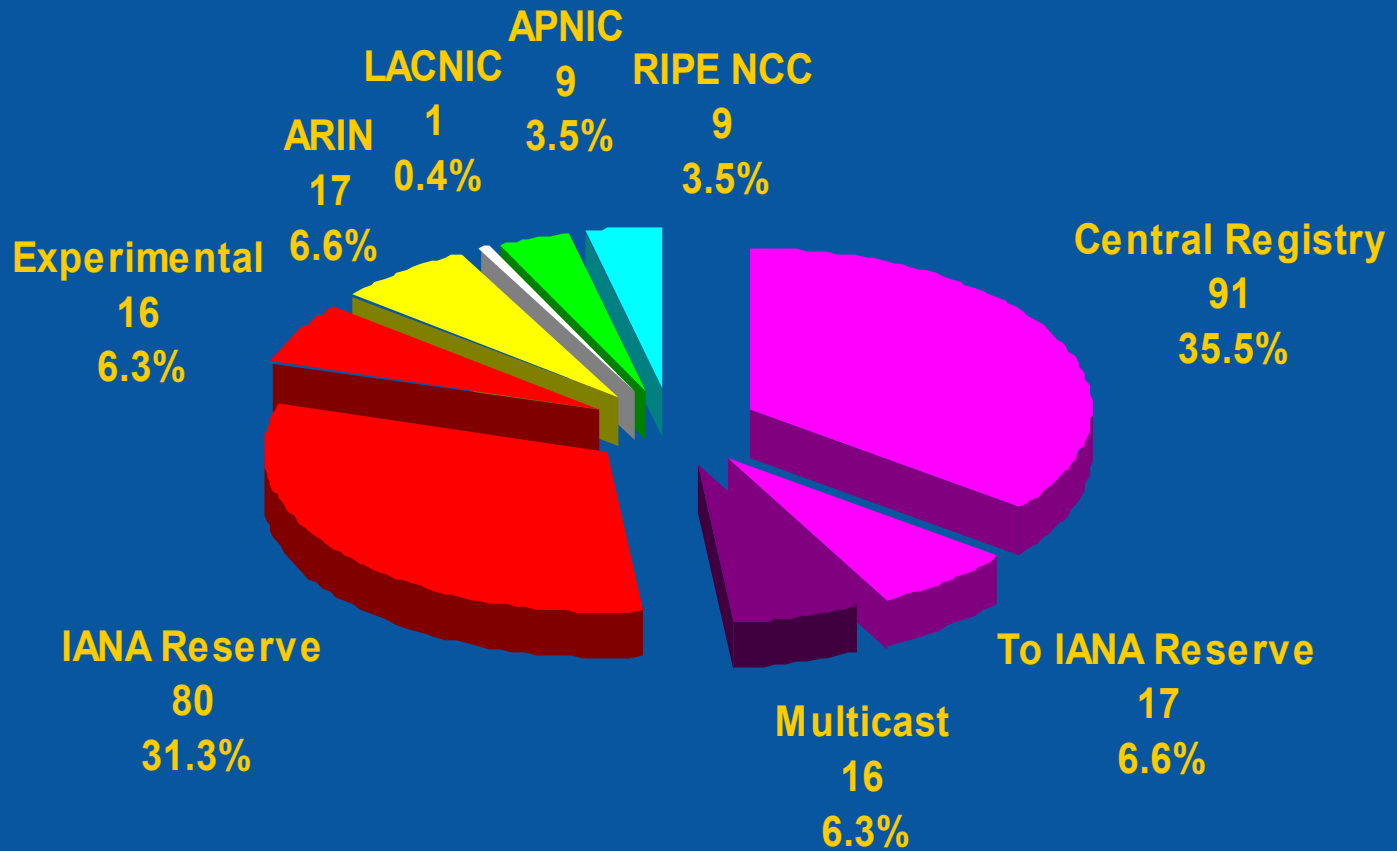


Prepared By
APNIC, ARIN, LACNIC, RIPE NCC

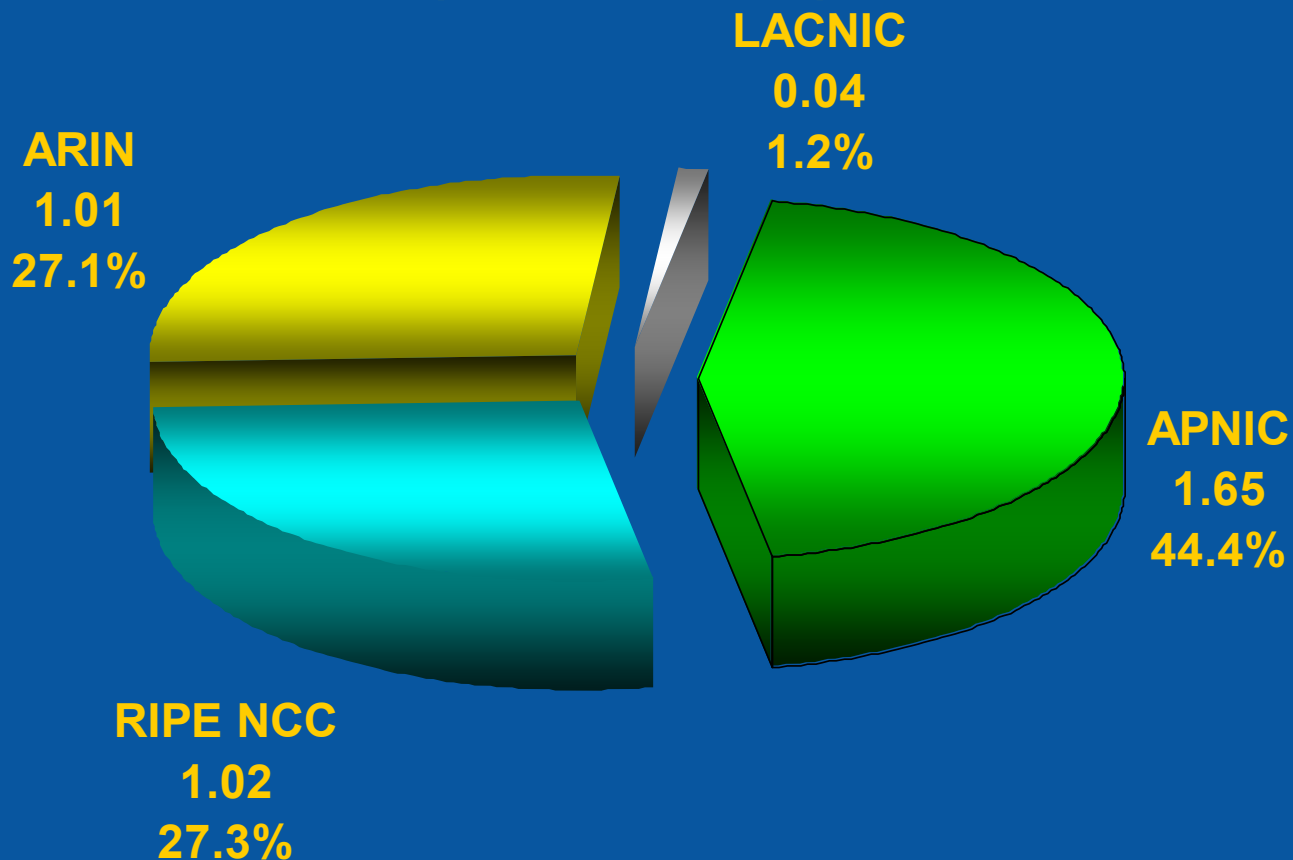
Statistics



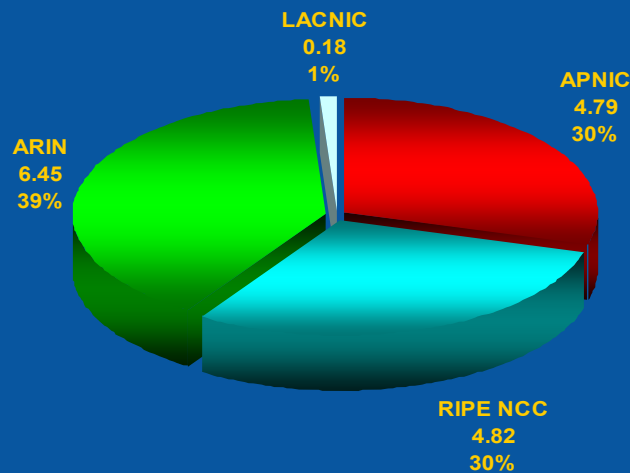
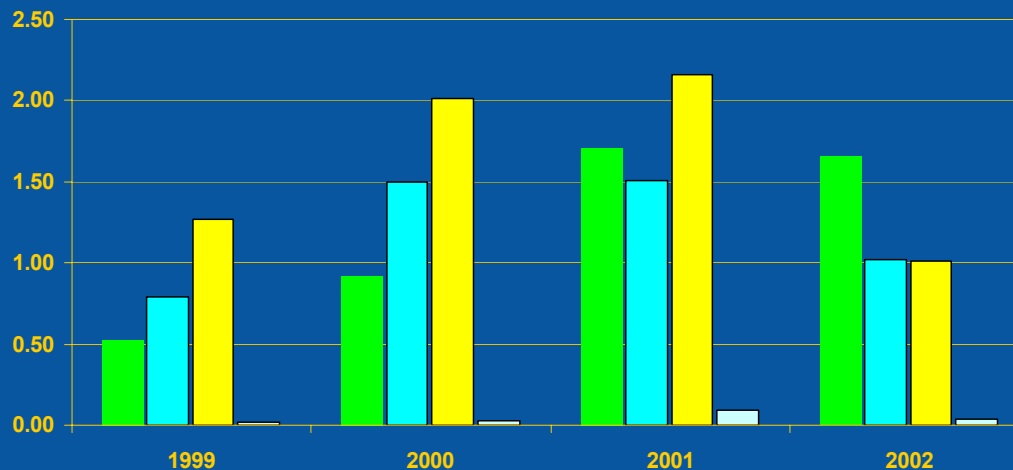
IPv4 /8 Address Space Allocation



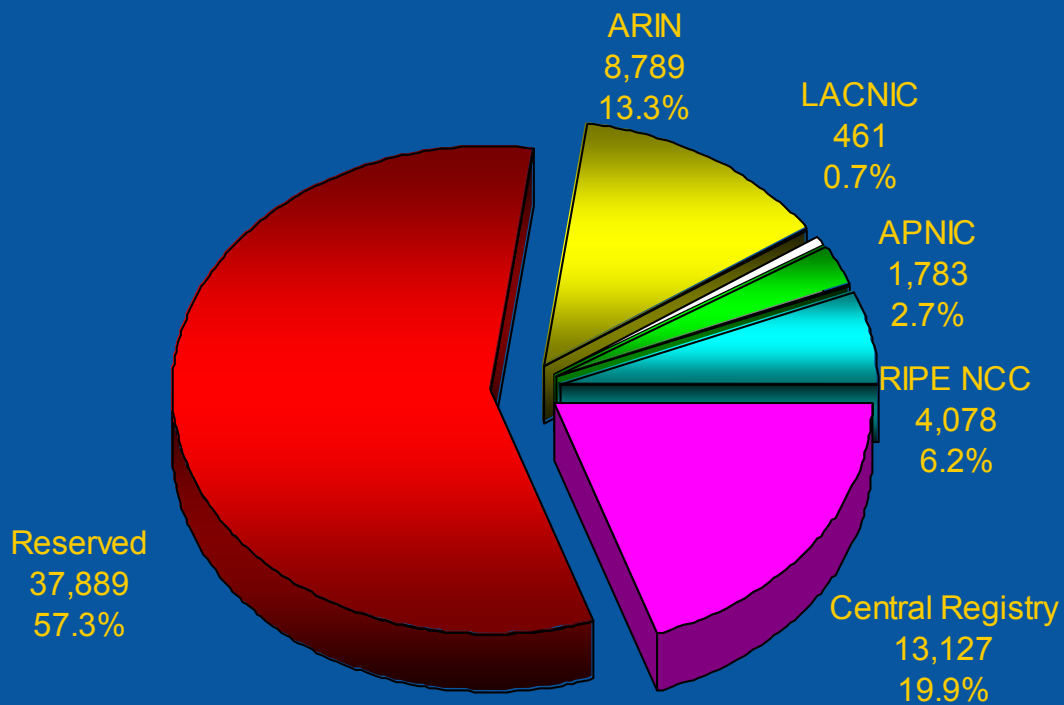
2002 IPv4 /8 Allocations (31 Oct 2002)



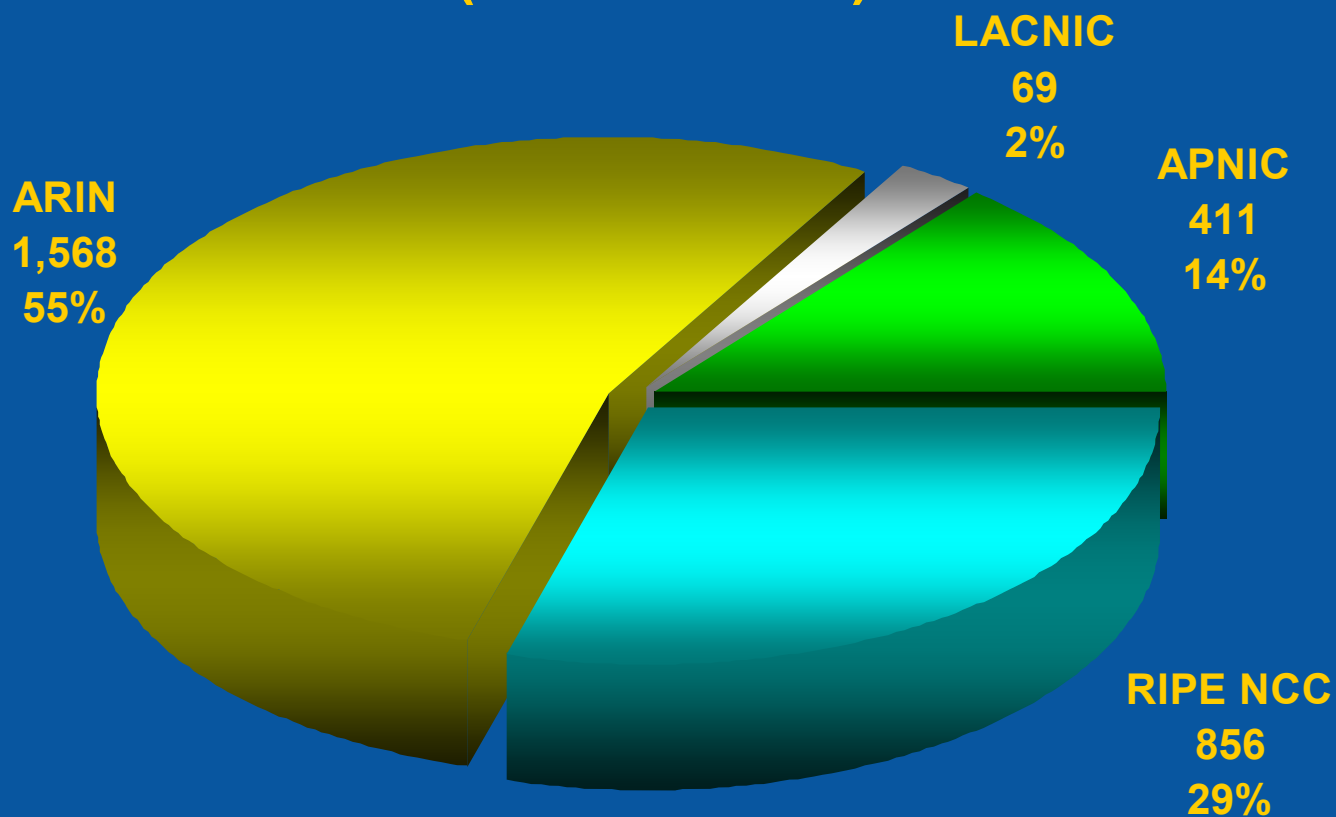
Cumulative IPv4 Allocations



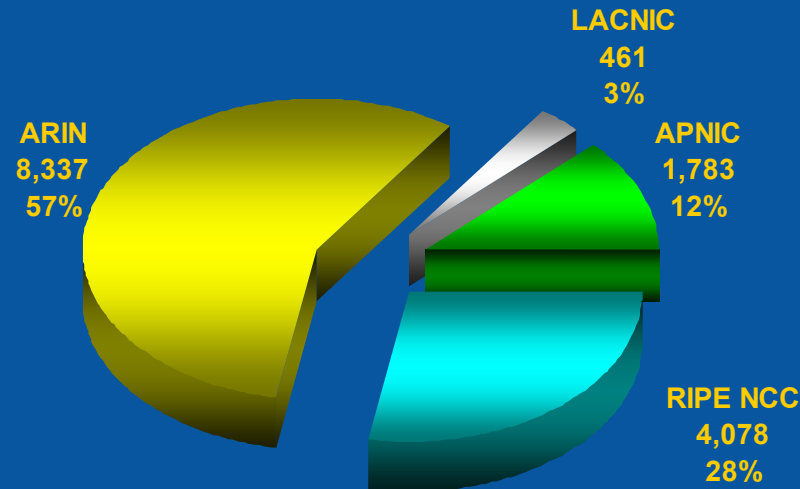
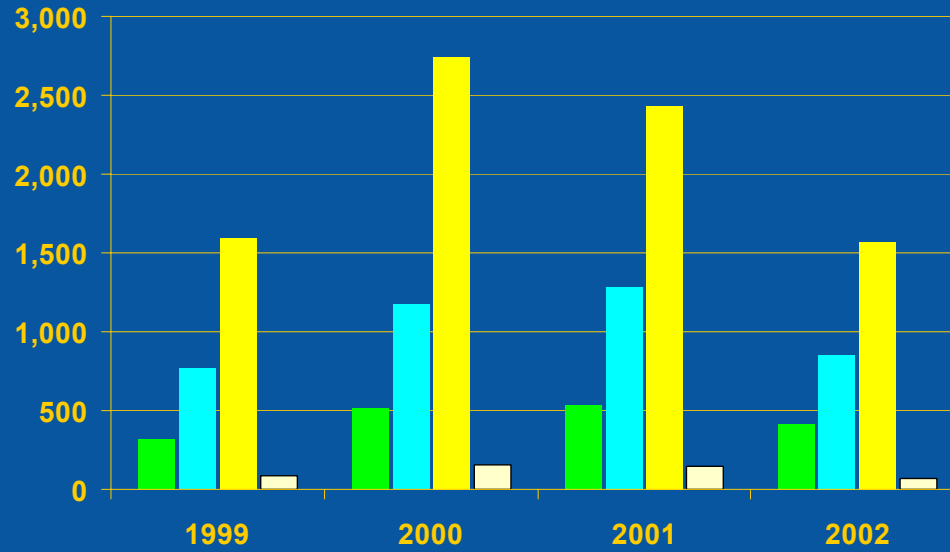
ASN Assignments



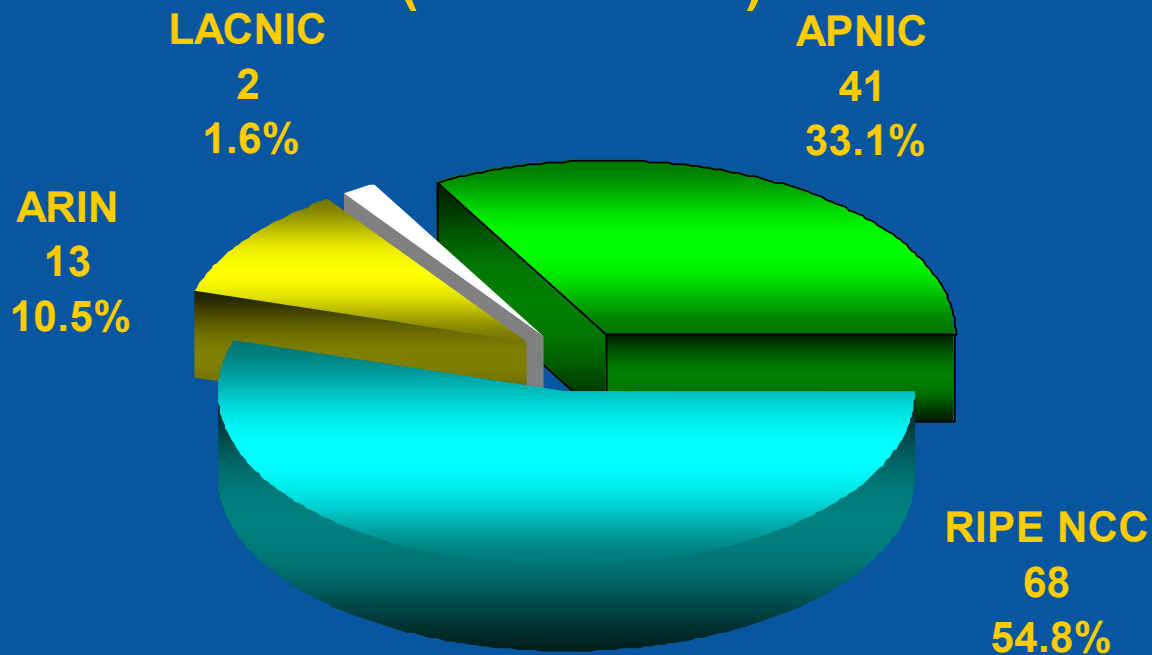
2002 ASN Assignments (31 Oct 2002)



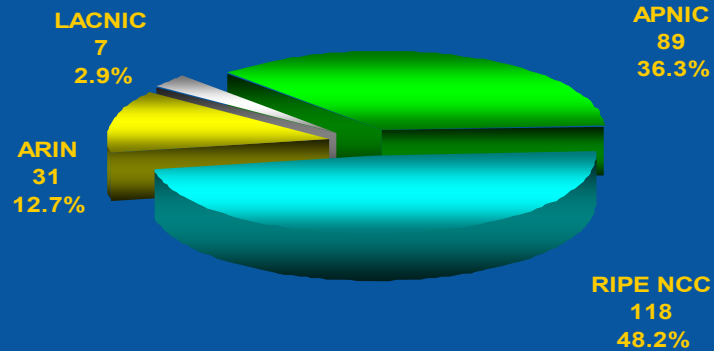
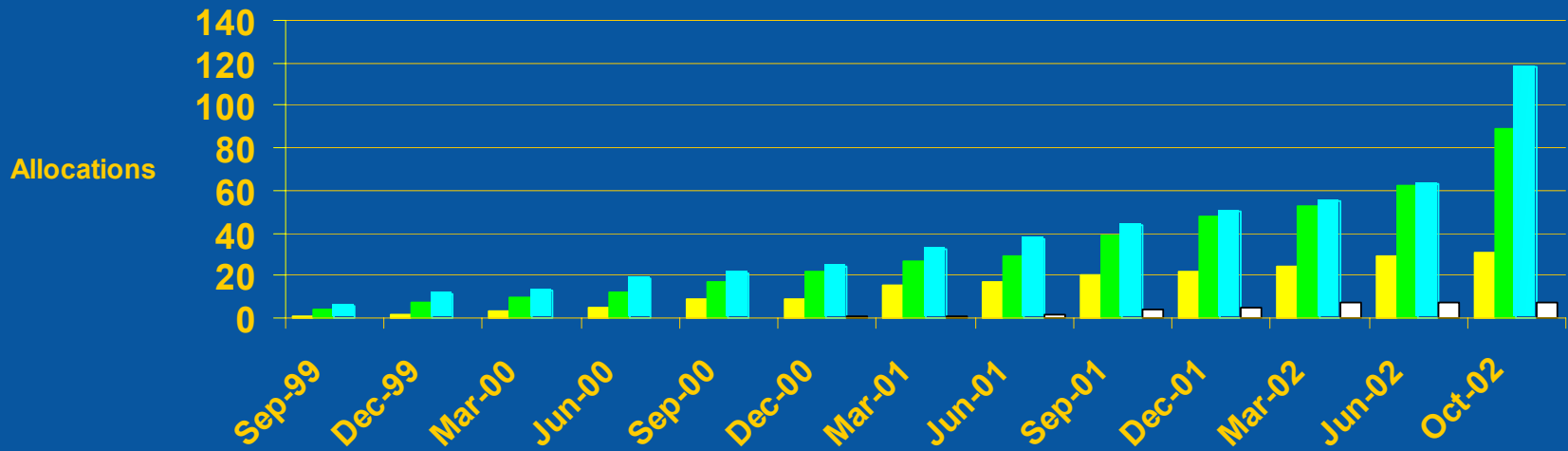
Cumulative ASN Assignments



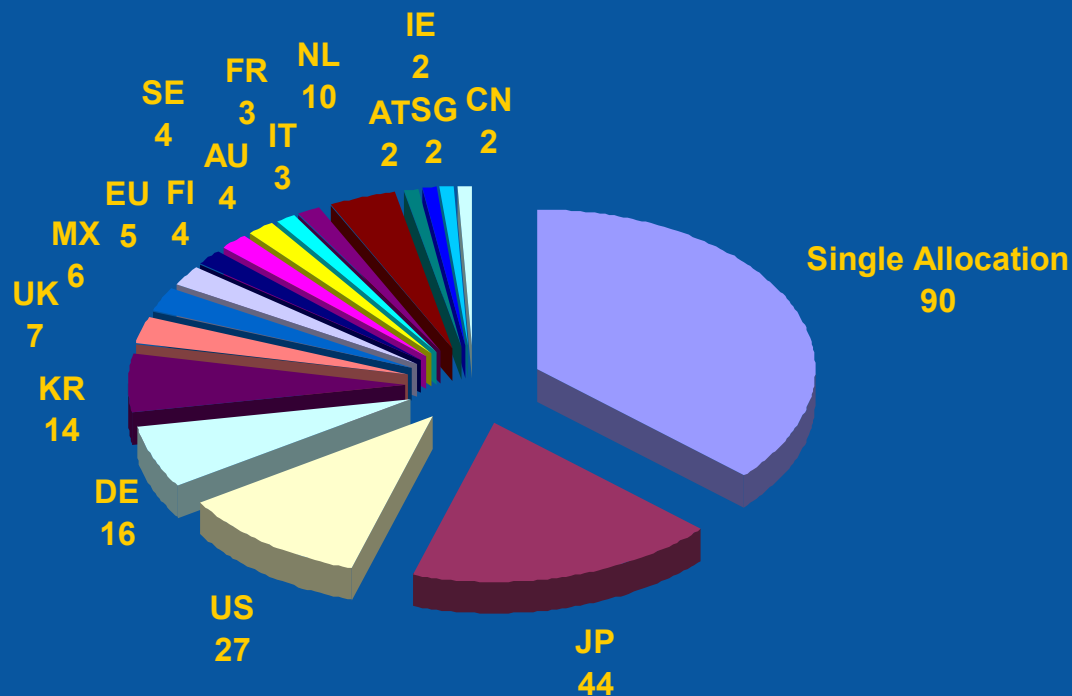
2002 IPv6 Allocations (31 Oct 2002)



Cumulative IPv6 Allocations



IPv6 Allocation By Country



Joint Activities



**ASO
Support**

- 2002 Secretariat - ARIN
- 2003 Secretariat - APNIC

Activities

Outreach

- East African Forum
- IPv6 Forum

Coordination

- IPv6 Policy
- ERX Project
- Staff Exchange
- RIR Blueprint

APNIC



Major Policy Developments at APNIC 14

- New policies
 - NIR criteria & operational policies
 - Critical infrastructure for IPv4 & IPv6
 - Experimental Internet resource assignments
 - Documentation addresses for IPv6
- Modified policies
 - LIRs can make sub-allocations
 - ASNs non-portable (only) when assigned indirectly to end-users

Service Developments

- Hostmaster service news
 - Account management for members
 - Helpdesk service
 - ‘One-stop’ point of contact for billing, in-addr, hostmaster, database queries
- Technical service news
 - Whois v3 DB migration successful!
 - Full IRR launch on December 17th
 - Deployed BIND9
 - Exploring native IPv6 transport for end December
 - ERX coordination with other RIRs



15th APNIC Open Policy Meeting
24 - 28 February 2003 Taipei - Taiwan



APRICOT
2003
Taipei

APNIC15

- Taipei, Taiwan 24-28 February 2003
<http://www.apnic.net/meetings>
- In conjunction with APRICOT 2003
<http://www.apricot2003.net>

ARIN



Activities

- Database Conversion
- New Whois – 26 Aug 2002
- Training
 - On-the-Road
 - CBT – Learning Center
- LACNIC Transition

NANOG / ARIN JOINT MEETINGS

Eugene, Oregon

Oct 29 – Nov 1, 2002

- **Tutorials / Training**
- **Technical Presentations**
- **BOFs**
- **Policy Discussions**
- **Elections**
- **ARIN Help Desk**
- **ARIN Learning Center**
- **Beer & Gear**
- **Social Event**



Minutes On Line
<http://www.arin.net>



Policy Proposals

2002-1: Lame Delegations	Last Call
2002-2: Experimental Internet Resource Allocations	Last Call
2002-3: Micro-assignments for Multi-homed Networks	Deferred
2002-4: Bulk Copies of ARIN's WHOIS	Last Call
2002-5: Amnesty Requests	Last Call
2002-6: Aggregation Requests	Last Call
2002-7: Micro-assignments for Multi-homed Organizations	Deferred
2002-8: Privatizing POC Information	Last Call
2002-9: Micro-assignments for End-user Organizations	Rejected

ARIN XI

April 6 - 9, 2003

Memphis, TN



Watch www.arin.net for Info

LACNIC





Transition of Registration Procedure

Action	Nov 2001	Jul 2002	Nov 2002
Policies Applied	ARIN	ARIN	LACNIC
Template Used	ARIN	LACNIC	LACNIC
Submitted To	ARIN	LACNIC	LACNIC
Request Evaluated By	LACNIC	LACNIC	LACNIC
Allocation Determined By	ARIN	LACNIC	LACNIC
2 nd Opinion	ARIN	ARIN	LACNIC
Data Base Entry	ARIN	LACNIC	LACNIC



Registration Services

- Data Base Snapshot Provided to LACNIC by ARIN
- Joint Announcement of Progress of Transition Plan
- Registration Records Imported Into LACNIC Data Base
- LACNIC Whois Designated Primary for LACNIC Records

(18 NOV 2002) Change to LACNIC Policies

(18 NOV 2002) Stop ARIN second opinion



DNS Reverse Lookup Zone Administration

- Identify LACNIC servers
- Set LACNIC as secondary
- Set LACNIC as primary
- (18 NOV 2002)** Transfer administrative authority to LACNIC



Business and Accounting

- Implement dual RSA
- Implement billing system
- Implement billing tracking system
- Initial accounting data base transfer
- Final accounting data base transfer
- Implement LACNIC invoicing
- Transfer outstanding invoices

(18 NOV 2002) Discontinue wire transfers



Statistics

21 Nov 2001 – 27 Jul 2002		
Resource	Approved	Denied
ASN	68	2
ISP	53	10
End User	1	1



Statistics

27 Jul 2002 – 22 Oct 2002			
Action	Approved	Denied	Open
ASN	19		1
ISP	21	1	3
End User	4	1	1
IPv6			1
Transfer			3



LACNIC IV

- Santiago ** 22 – 23 April 2003
- More information will be posted at www.lacnic.net

Hope to see you there !!

RIPE NCC





RIPE NCC

- New IPv6 requests since 1 July 2002
 - 25 New IPv6 Allocations
 - 23 /35s expanded to /32
 - <http://www.ripe.net/ipv6/ipv6allocs.html>
 - 7 /32s delegated in ip6.arpa
- All outgoing Hostmaster mail PGP signed
- Secure Member Web Portal
 - Beta launched at RIPE 43, in September
 - Planned to be an official service during Q1, 2003



RIPE NCC

- Early Registration Transfer Project
 - ASNs began 21 August 2002 and now complete
 - Close co-ordination with ARIN
 - Preparing for IPv4 transfer
 - Task Force set up to get input for conflicts
- Database Developments: New prototype
 - Interactive updates
 - <http://www.ripe.net/db/syncupdates>
 - User friendly web interface for updates



RIPE NCC

RIPE 43 Policy Update

- Temporary assignments for operational experiments
 - Accepted
 - RIPE NCC to prepare a draft policy text for inclusion in IPv4, IPv6 and ASN policy texts
- Sub-Allocation proposal
 - Accepted
 - RIPE NCC to prepare draft proposal
- ASN Policy
 - No change to policy
 - Community agrees there is no realistic way to check for “multi-homing” of an ASN

Thank You

