



NRO/ASO Status Report

ICANN São Paulo
7 December 2006

Prepared by
Regional Internet Registries





Overview



- Organization
- Internet Number Resource Status Report
- Policy Discussions



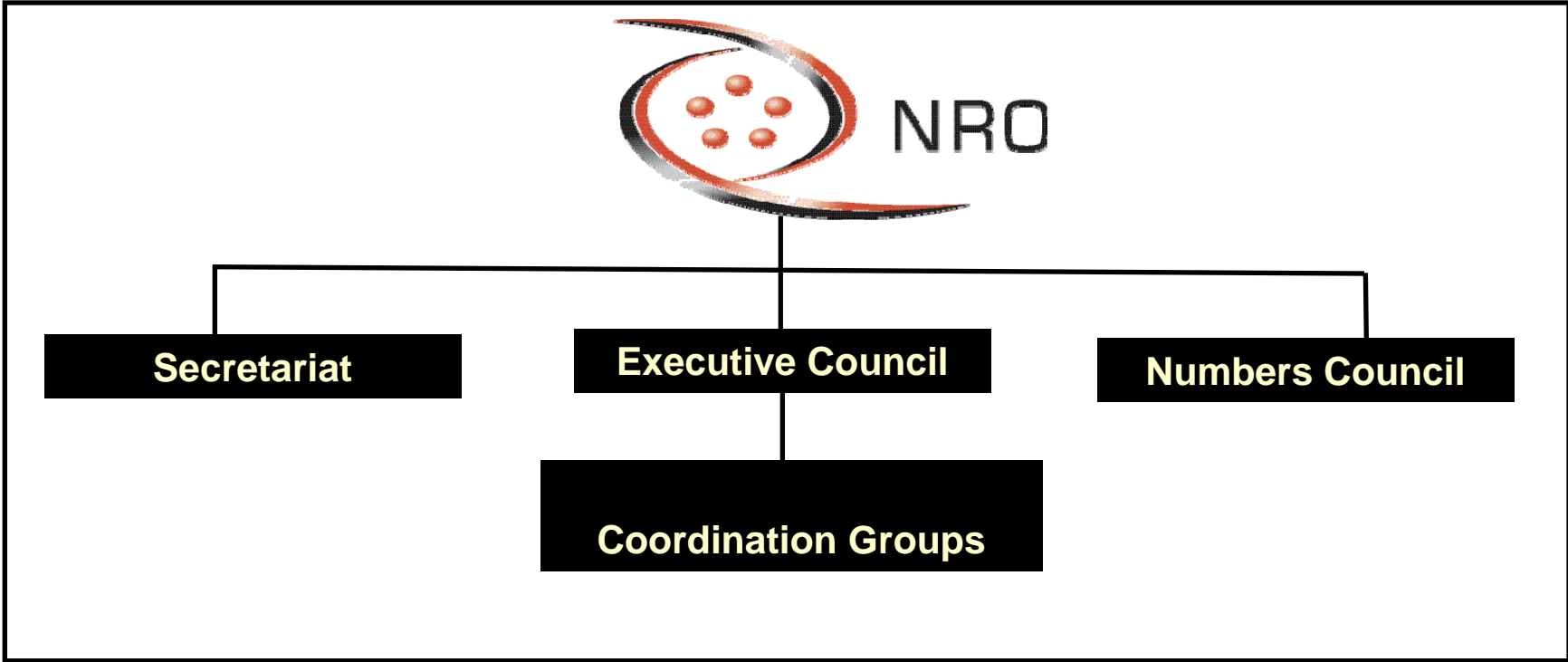
ORGANIZATION

Number Resource Organization 24 October 2003



Formed by the Regional Internet Registries to formalise their cooperative efforts, the NRO exists to protect the unallocated Number Resource pool, to promote and protect the bottom up policy development process, and to act as a focal point for Internet community input into the RIR system.

Structure





Executive Council 2006



LACNIC	Raúl Echeberría	Chair
ARIN	Ray Plzak	Secretary
APNIC	Paul Wilson	Treasurer
AFRINIC	Adiel Akplogan	
RIPE NCC	Axel Pawlik	

The offices rotate every year.



Executive Council 2007



ARIN	Ray Plzak	Chair
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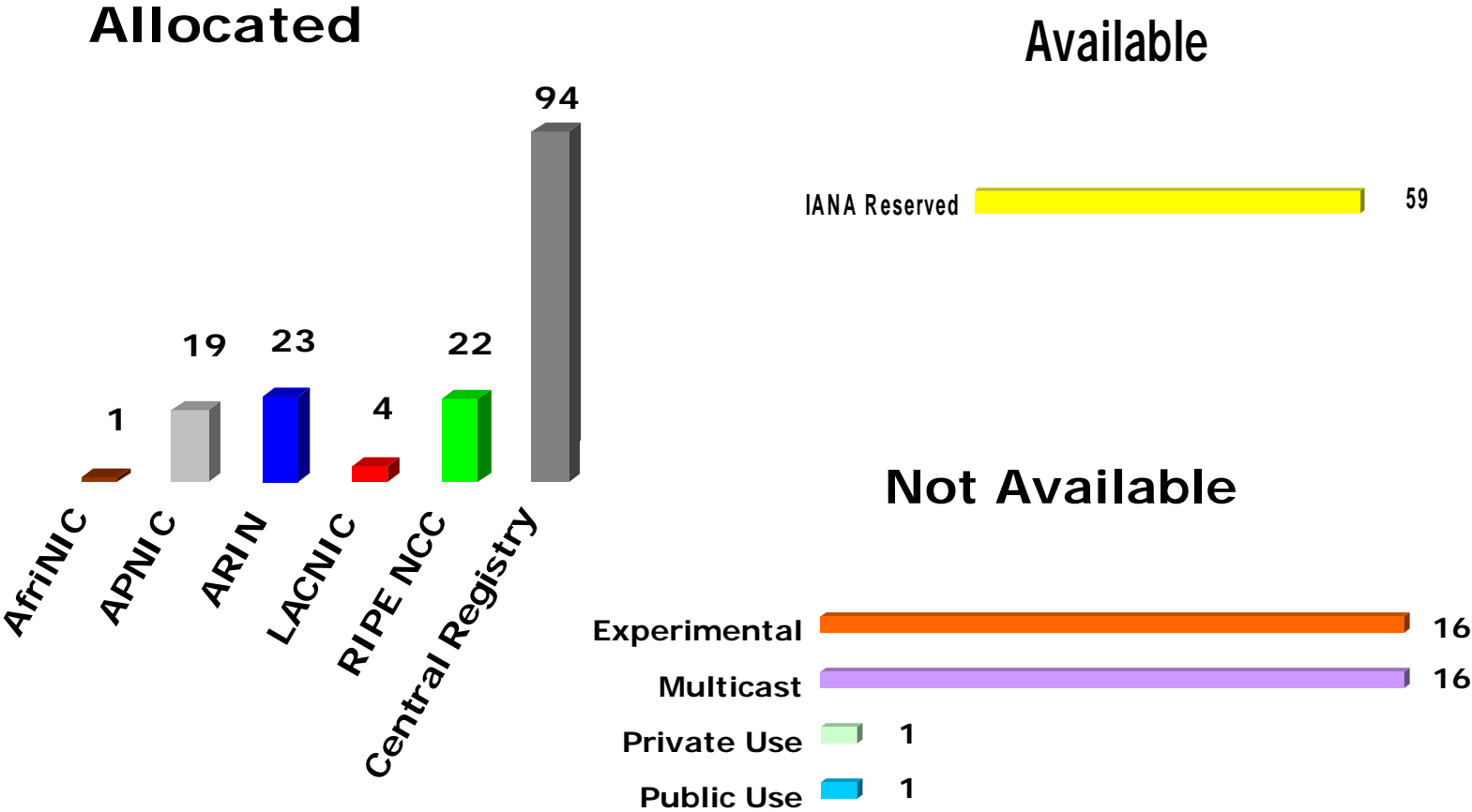
- **ICANN**
 - **Contract**
 - **Strategic Plan**
- **IGF**
 - **IGF Meetings**
- **ITU**
 - **Liaison**
 - **Plenipotentiary Meeting – Antalya**
 - **World Telecom – Hong Kong**
- **Joint RIR Activity**
 - **Certification Issues**
 - **Harmonization of IP allocation practices**



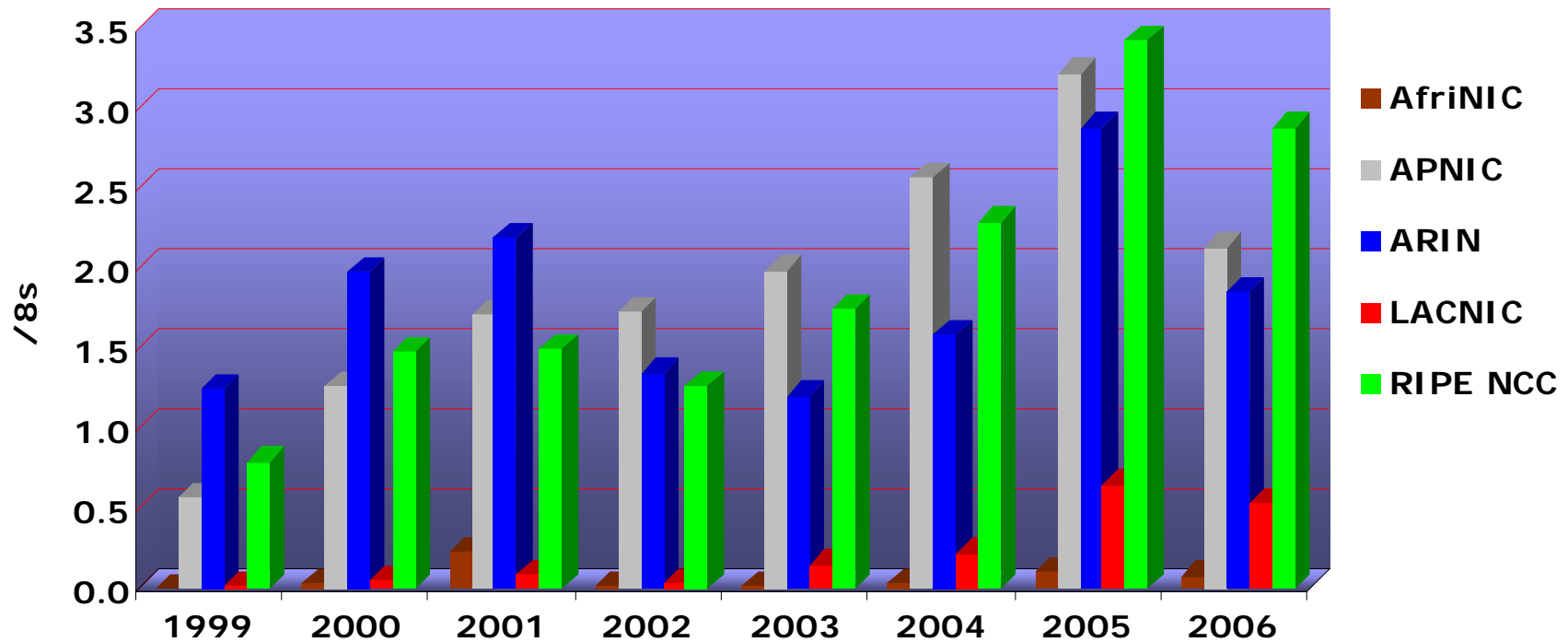
Internet Number Resource Status Report

As of 30 September 2006

Status of IPv4 Address Space (/8s)



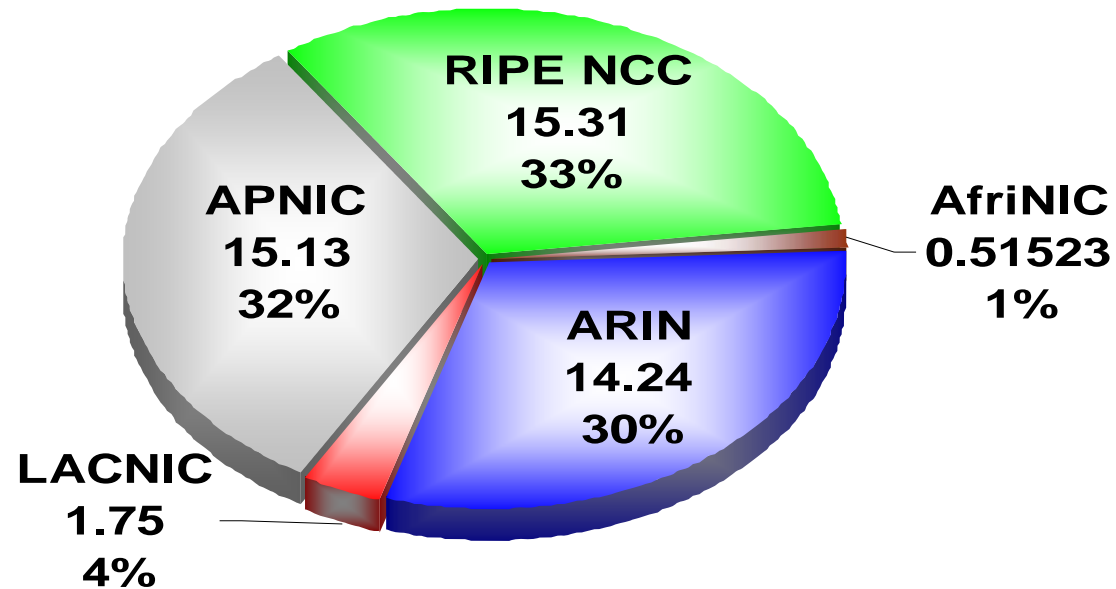
IPv4 Allocations RIRs to LIRs/ISPs Yearly Comparison



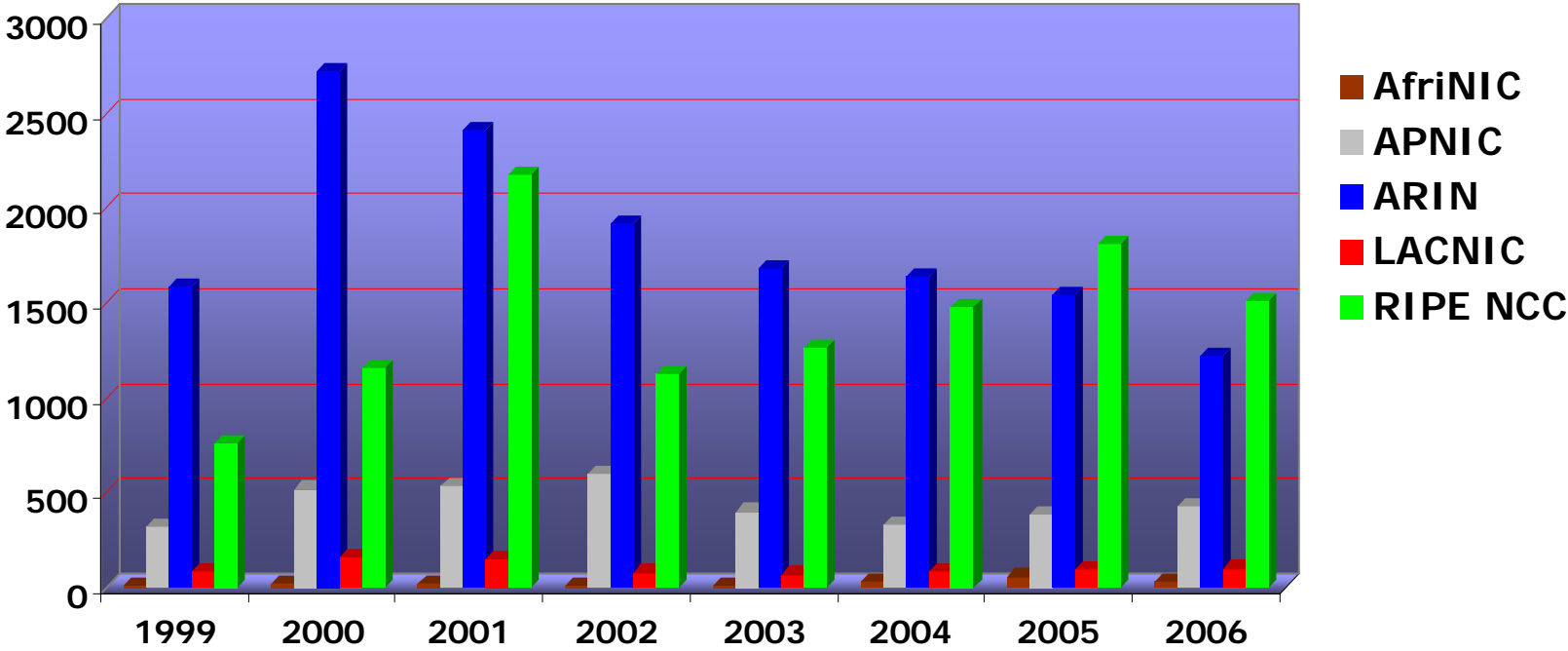
IPv4 Allocations

RIRs to LIRs/ISPs

Cumulative Total (Jan 1999 – Sept 2006)

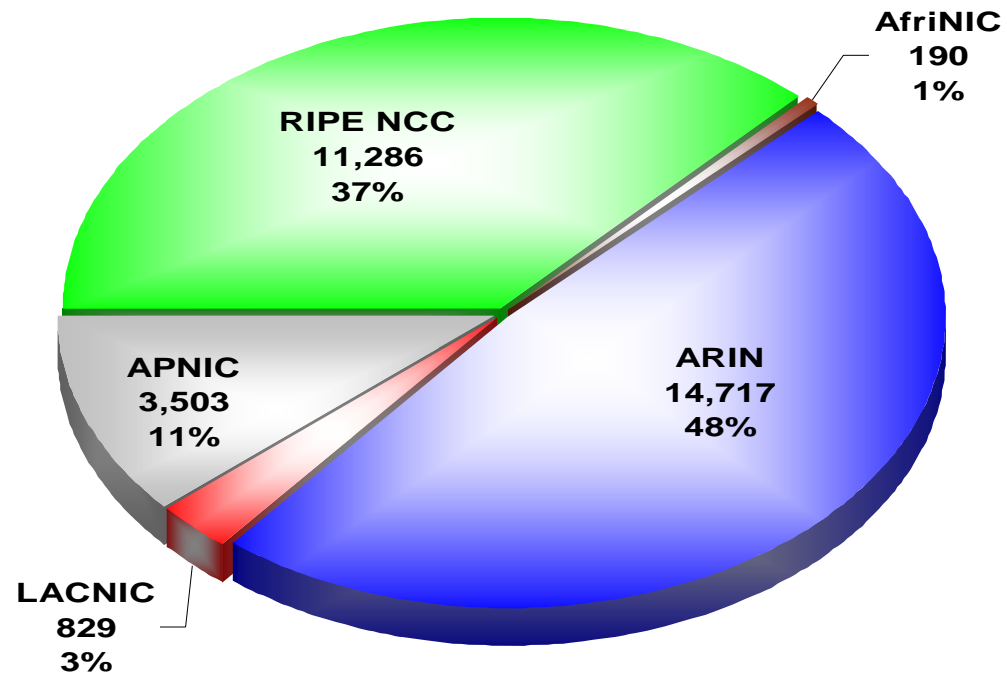


ASN Assignments Yearly Comparison

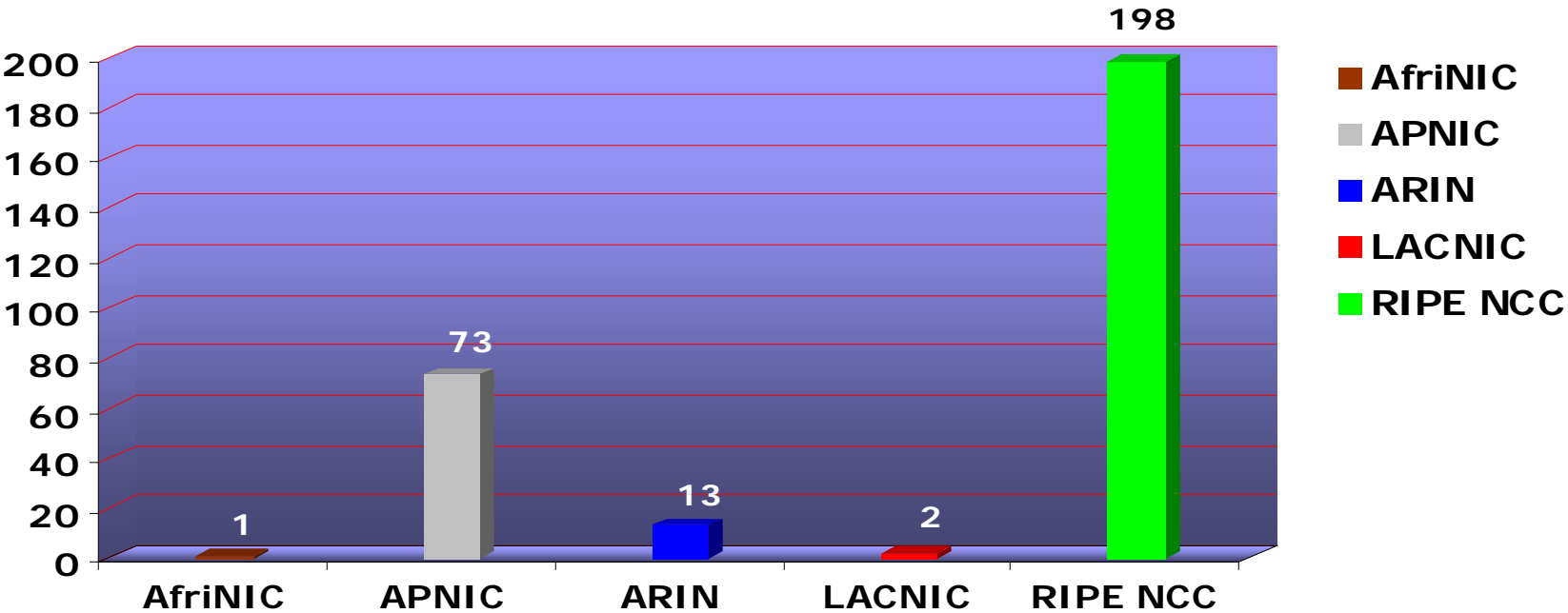


ASN Assignments

Cumulative Total (Jan 1999 – Sept 2006)



IANA IPv6 Allocations to RIRs*

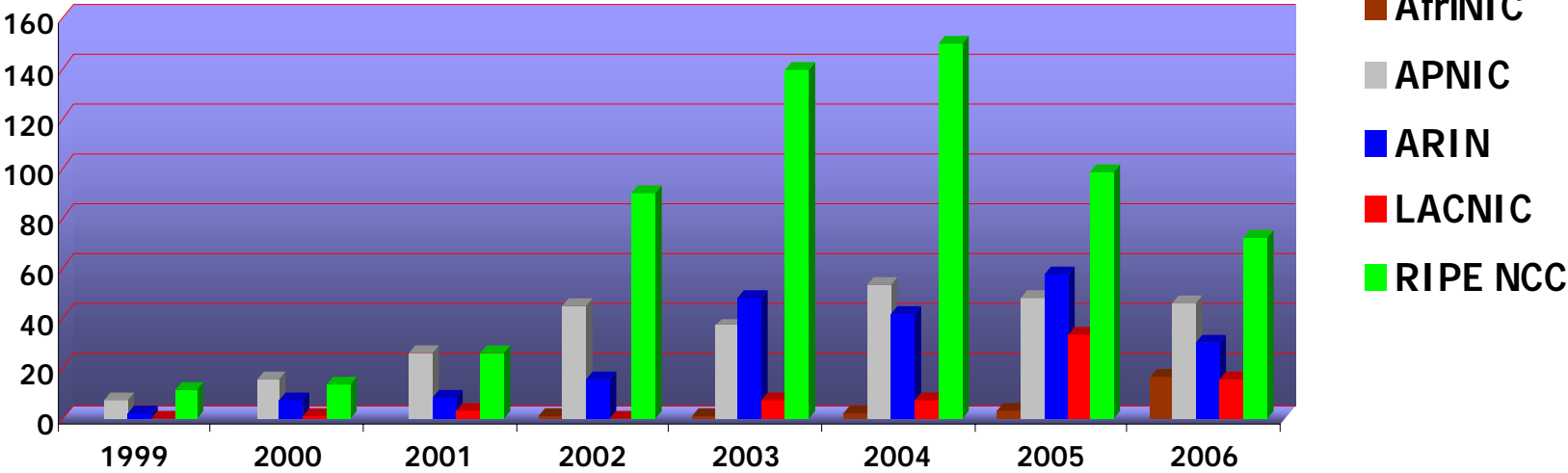


*number of /23s

IPv6 Allocations

RIRs to LIRs/ISPs

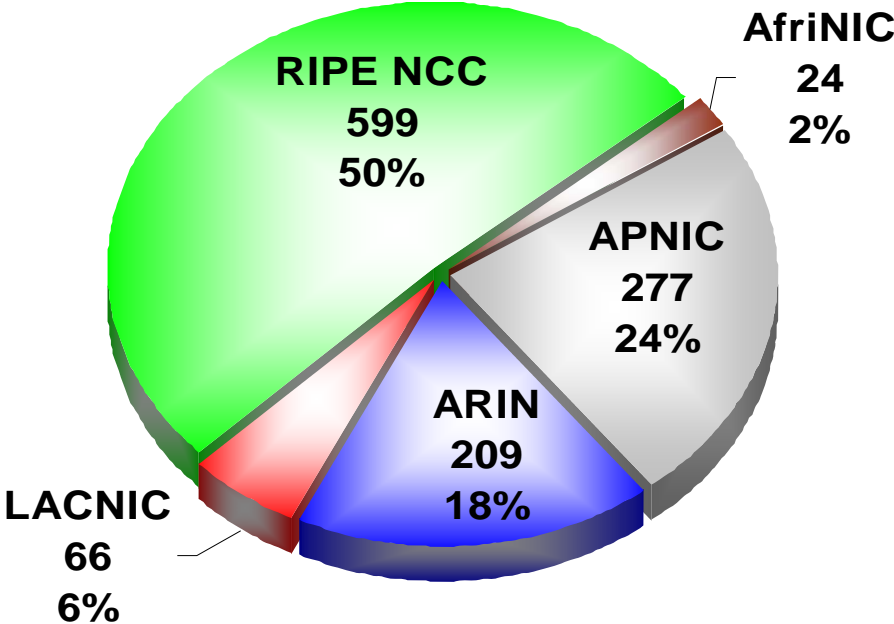
Yearly Comparison



IPv6 Allocations

RIRs to LIRs/ISPs

Cumulative Total (Jan 1999 – Sept 2006)



- **RIR Statistics:**

<http://www.nro.net/statistics/>

- **Raw Data/Historical RIR Allocations:**

<http://www.aso.icann.org/stats>

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

<http://www.iana.org/assignments/as-numbers>

<http://www.iana.org/assignments/ipv6-unicast-address-assignments>



Address Supporting Organization



Address Supporting Organization

21 October 2004



The NRO Fulfils The:

- Role
- Responsibilities
- Functions

Of the ICANN ASO

Address Council

Who is it?	<ul style="list-style-type: none"> • The NRO Number Council
What is it?	<ul style="list-style-type: none"> • Number Resource Policy Advisory Body
How is it Organized?	<ul style="list-style-type: none"> • 15 Members [3 From Each Region] <ul style="list-style-type: none"> – 2 Elected at Large – 1 Appointed by RIR Board • RIR & ICANN Observers
Term of Office?	<ul style="list-style-type: none"> • Three (3) years, staggered
What Does it Do?	<ul style="list-style-type: none"> • Advise ICANN Board • Select ICANN Board Members (2) • Select ICANN NomCom member (1)
When Does It Meet?	<ul style="list-style-type: none"> • Telephonic – Monthly • Physical <ul style="list-style-type: none"> ➤ APR 2006 – Istanbul [RIPE 52] ➤ DEC 2006 – São Paulo [ICANN]

Address Council

REGION	Member
	<p>Alan Barrett* Jean Robert Hountomey Sylvia Geha Kezengwa</p>
	<p>Dr. Kenny S. Huang Hyun-joon Kwon [re-elected] Mao Wei*</p>
	<p>Sanford George Martin Hannigan* Louis Lee [re-elected]</p>
	<p>Sebastian Bellagamba [Chair] Hartmut Glaser* Francisco Obispo</p>
	<p>Hans Petter Holen Sabine Jaume [Dave Wilson] Wilfried Woeber*</p>






ASO AC Appointments






ICANN Board of Directors	
Raimundo Beca	MAY 2004 – MAY 2007
David Wodelet	JUN 2006 – JUN 2009
ICANN NomCom	
Sandy George	2006 – 2007








Policy Activity

IPv4 Policy Discussions

RIR	TOPIC	STATUS
	<ul style="list-style-type: none"> • None 	
	<ul style="list-style-type: none"> • None 	
	<ul style="list-style-type: none"> • None 	
	<ul style="list-style-type: none"> • 12 Month Allocation Period • Critical Infrastructure Assignments • Resource Recovery 	<ul style="list-style-type: none"> • Adopt • Discuss • Adopt
	<ul style="list-style-type: none"> • Anycast for TLD Services • 12 Month Allocation Period • Minimum Size for PI Assgnments 	<ul style="list-style-type: none"> • Adopt • Discuss • Discuss

RIR	TOPIC	STATUS
	<ul style="list-style-type: none"> • PI Assignments for End Sites • Critical Infrastructure Assignments 	<ul style="list-style-type: none"> • Discuss • Discuss
	<ul style="list-style-type: none"> • PI Assignments for End Sites • /56 for End Sites • Critical Infrastructure Assignments 	<ul style="list-style-type: none"> • Last Call • Last Call • Last Call
	<ul style="list-style-type: none"> • Micro Allocation for Infrastructure 	<ul style="list-style-type: none"> • Adopt
	<ul style="list-style-type: none"> • PI Assignments for End Sites • HD Ratio • /56 for End Sites 	<ul style="list-style-type: none"> • Discuss • Adopt • Discuss
	<ul style="list-style-type: none"> • /56 for End Sites • HD Ratio • PI for End Sites • Anycast for TLD Services 	<ul style="list-style-type: none"> • Discuss • Discuss • Discuss

Other Policy Discussions

RIR	TOPIC	STATUS
	<ul style="list-style-type: none"> • 4 Byte ASN 	<ul style="list-style-type: none"> • Adopt
	<ul style="list-style-type: none"> • None 	
	<ul style="list-style-type: none"> • Capturing Route Origins • Residential Customer Privacy 	<ul style="list-style-type: none"> • Adopt • Abandon
	<ul style="list-style-type: none"> • 4 Byte ASN • WHOIS Privacy 	<ul style="list-style-type: none"> • Adopt • Discuss
	<ul style="list-style-type: none"> • 4 Byte ASN • POC Email Requirements 	<ul style="list-style-type: none"> • Adopt • Discuss

Public Policy Meetings

RIR	DATE	LOCATION
	1 – 2 May 2007	Abuja
	26 Feb – 2 Mar 2007	Bali
	22 – 25 April 2007	TBA
	21 – 25 May 2007	Isla Margarita
	7 – 11 May 2007	Tallinn






Global Policy Proposal

IANA to RIR IPv6 Allocation

**Ratified by ICANN Board
7 September 2006**

Policy Archives

RIR	LINK
 The Internet Numbers Registry for Africa	http://www.afrinic.net/policy.htm
 APNIC	http://www.apnic.net/docs/policy/proposals/archive.html
 American Registry for Internet Numbers	http://www.arin.net/policy/proposals/proposal_archive.html
 LACNIC	http://lacnic.net/en/politicas/desarrollo.html
 RIPE NCC	http://www.ripe.net/ripe/policies/proposals/



Thank You