



# RIPE NCC (Member) Update

SwiNOG #17, 22 October 2008, Bern

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Training Team

RIPE NCC



# RIPE NCC

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Located in Amsterdam

Not for profit membership organisation

6000 active members (October 2008)

421 new members in 2008 (jan-aug)

Started by the RIPE community in 1992

One of five RIRs



RIPE Network Coordination Centre

Issue 14 • September 2008

# Member Update

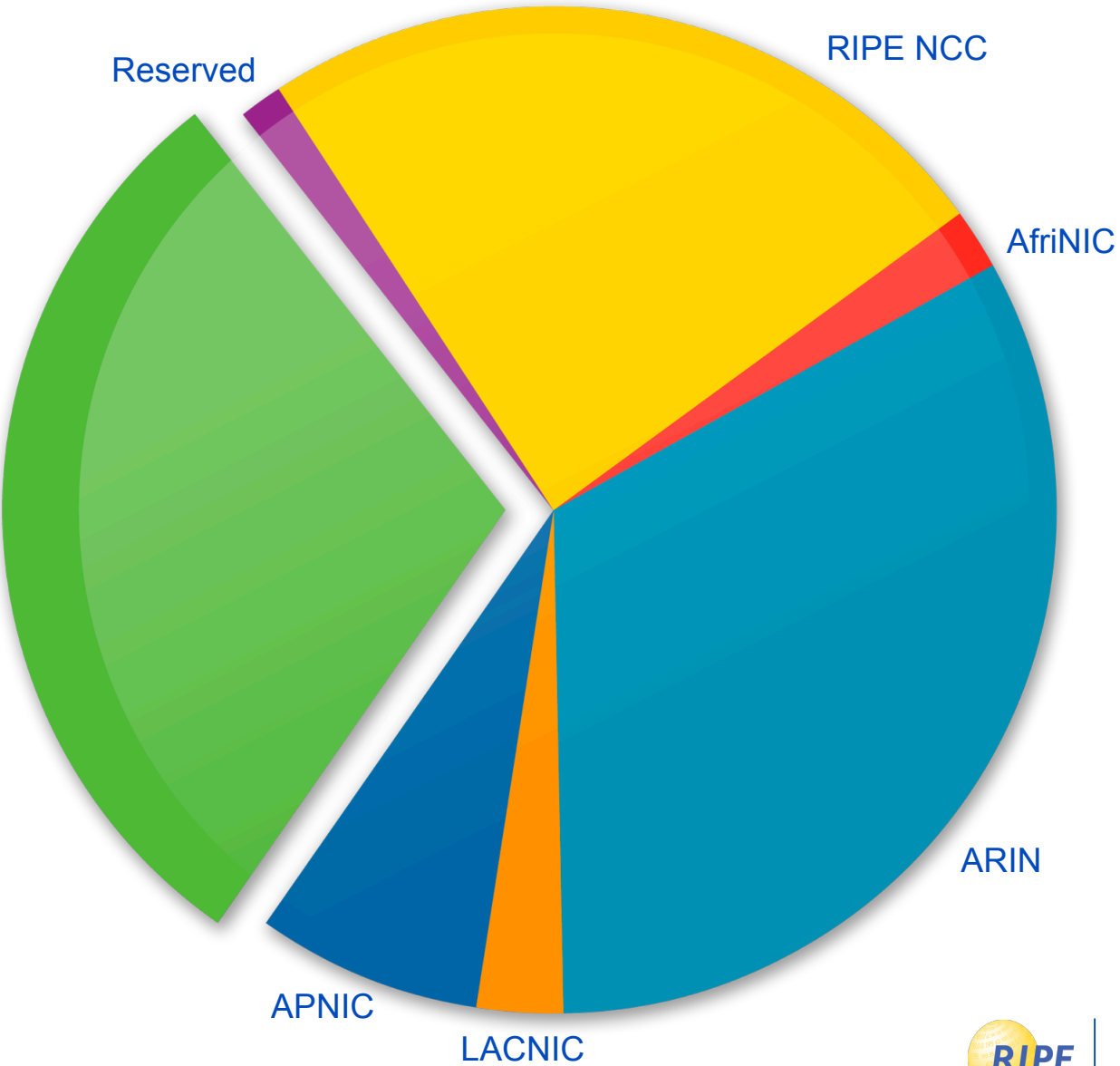
Information bulletin for RIPE NCC members

- AS Number Change Could Affect Internet Routing
- Life Cycle Management of IP Addresses
- Certification of Internet Number Resources
- RIPE NCC Roundtable Meeting September 2008
- RIPE NCC Information Services: A Trusted Source of Data
- RIPE Policy Development Process
- IPv6

<http://www.ripe.net/membership/newsletter/2008/newsletter14.pdf>

# 16-Bit AS Number pool

27%  
available



# 32-bit AS Numbers

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Global policy on 32-bit ASN deployment schedule:

1 Jan 2008: 16-bit default, 32-bit on request

1 Jan 2009: 32-bit default, 16-bit on request

1 Jan 2010: Only 32-bit AS Numbers

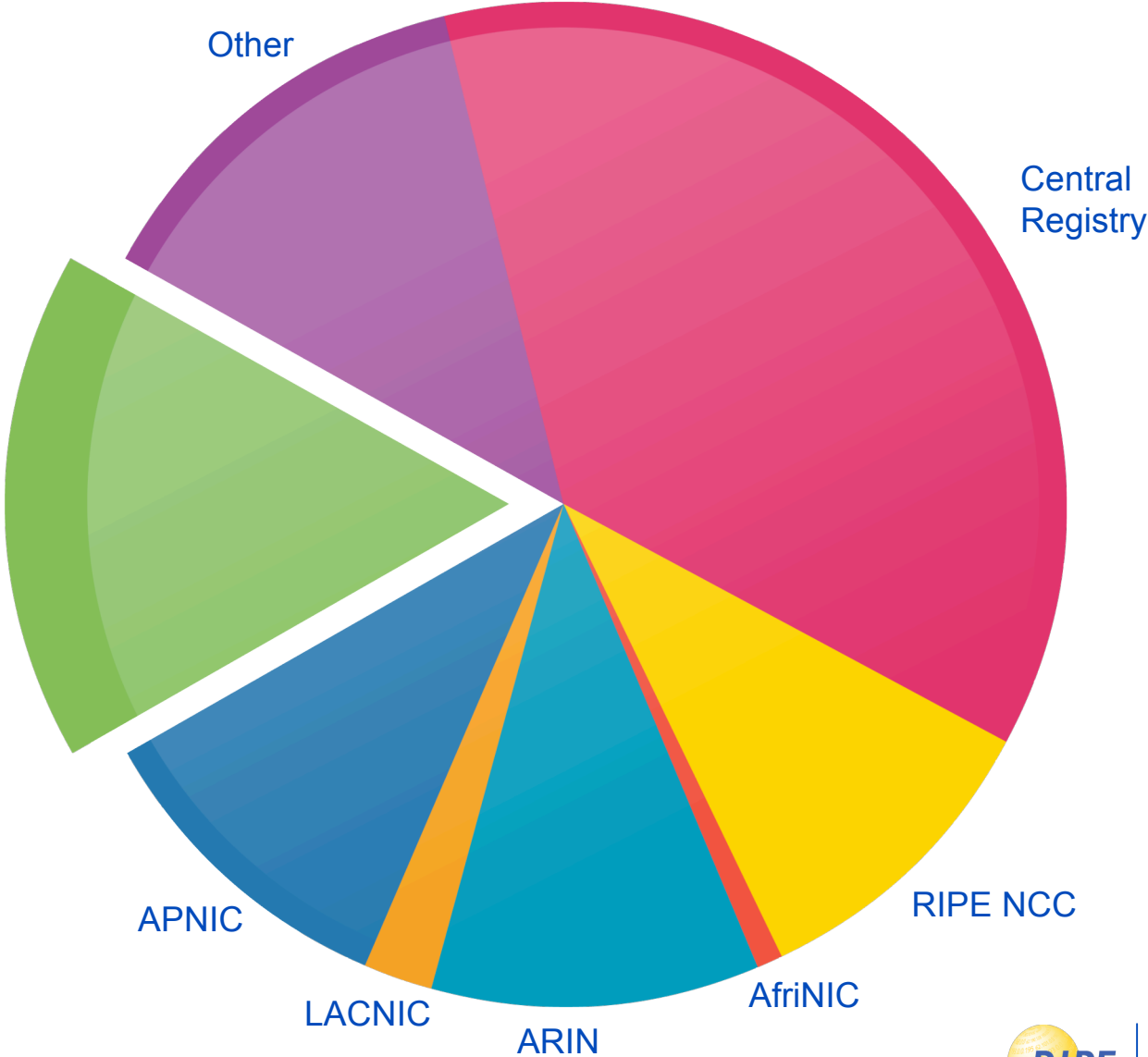
Can you handle the new formats: “AS 1.10”? And 65546?

Prepare in your organisation:

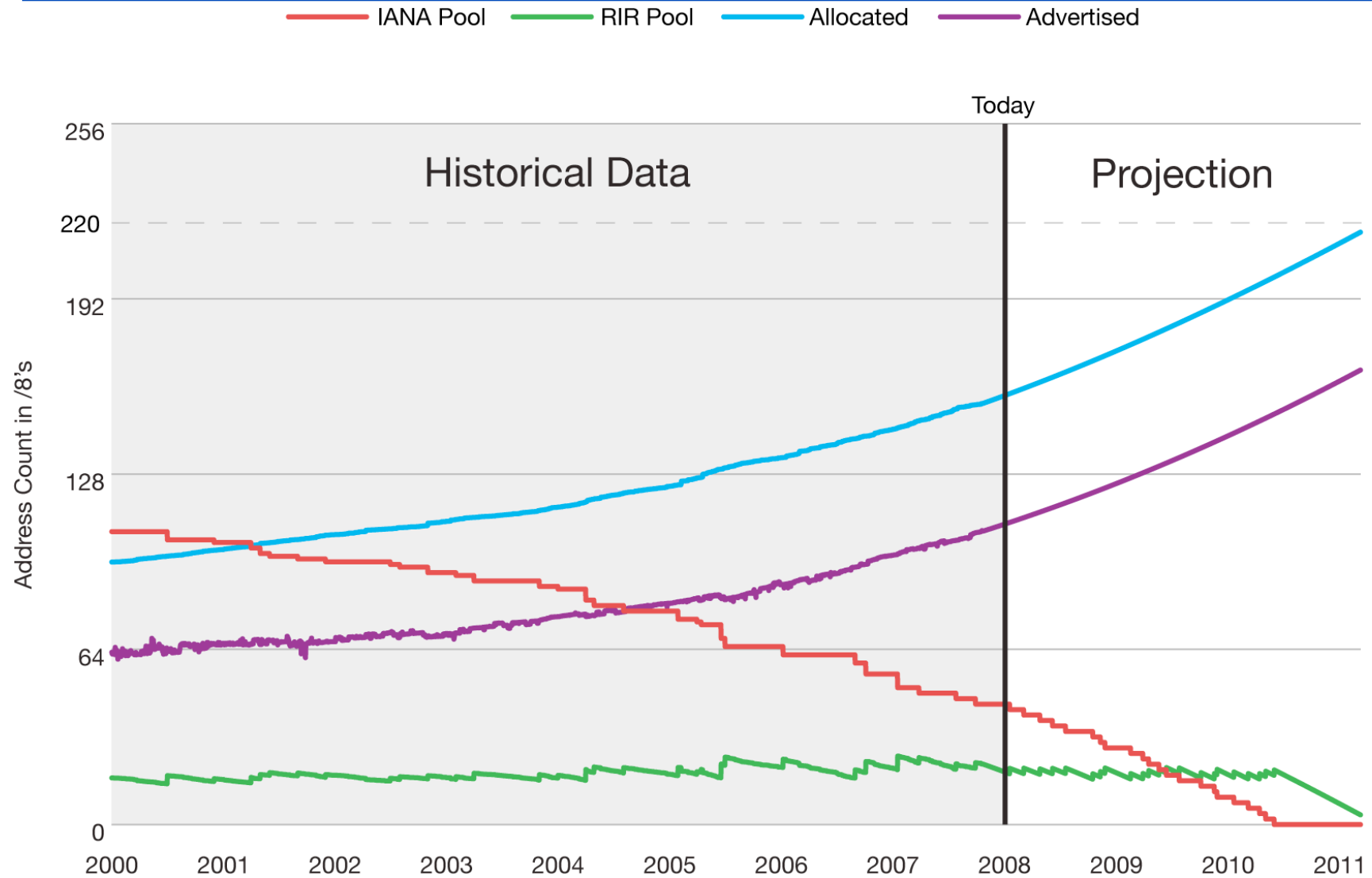
- ask your hardware vendor for support
- encourage your upstream provider to upgrade

# IPv4 address pool - now

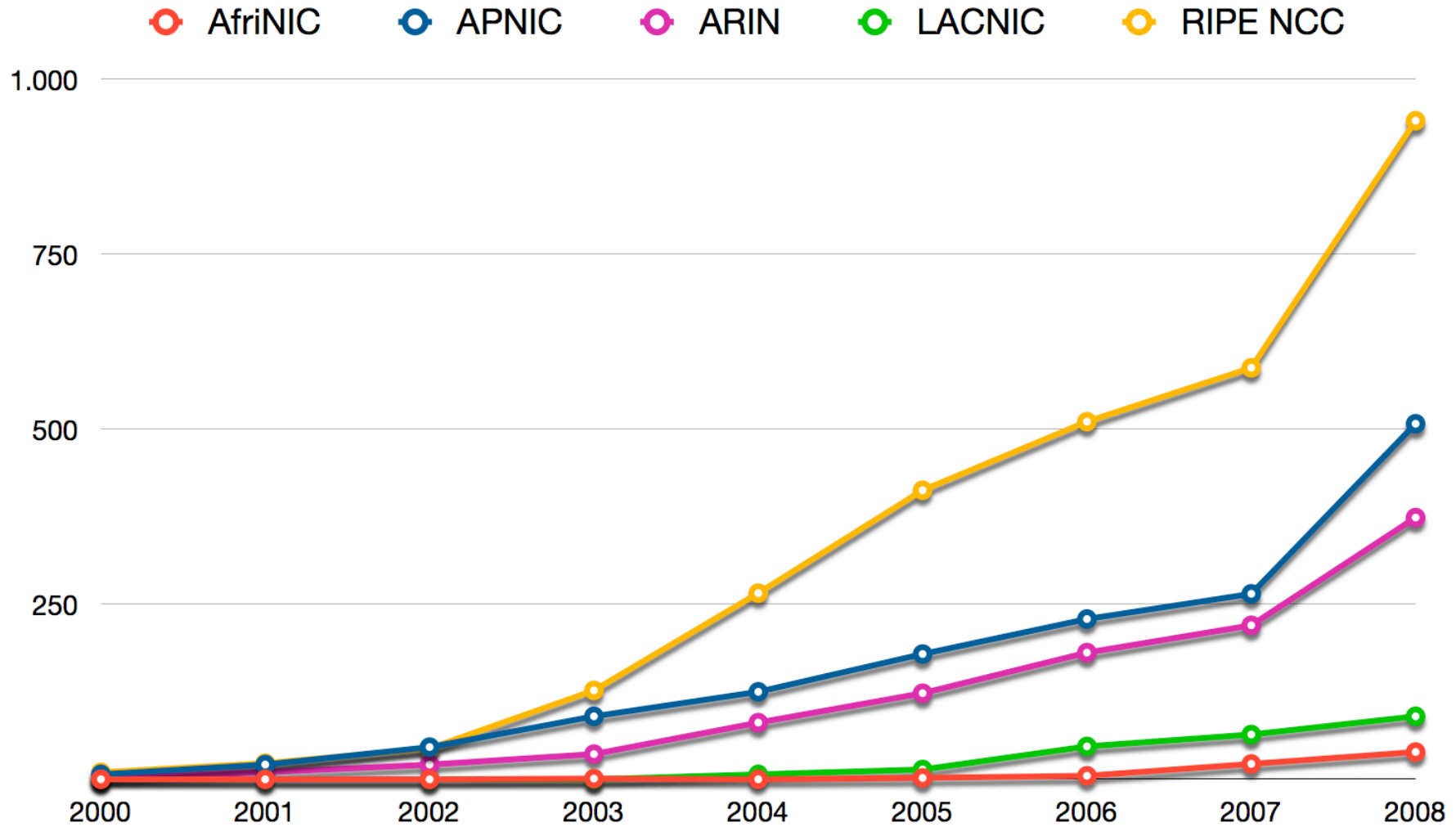
15%  
available



# IPv4 address pool - the future

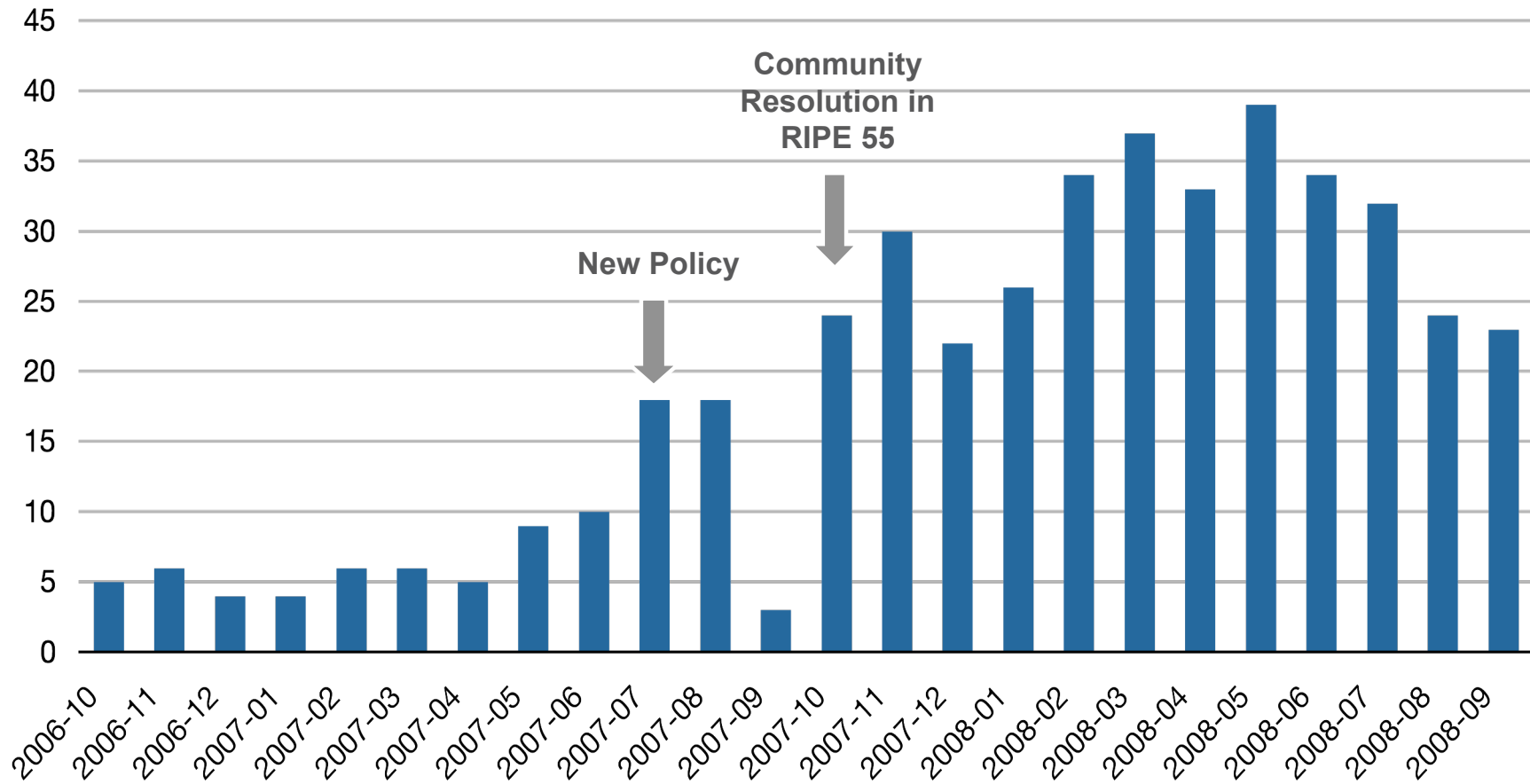


# IPv6 allocations by region, cumulative





# Policy impact on IPv6 allocations



<http://www.ripe.net/meetings/roundtable/sept2008/presentations/Filiz-whats-happening.pdf>

# Allocations and PI assignments this year

IPv4 PA: 1110

IPv4 PI: 1434

IPv6: 265

data as of 5 September 2008

Current policy proposals

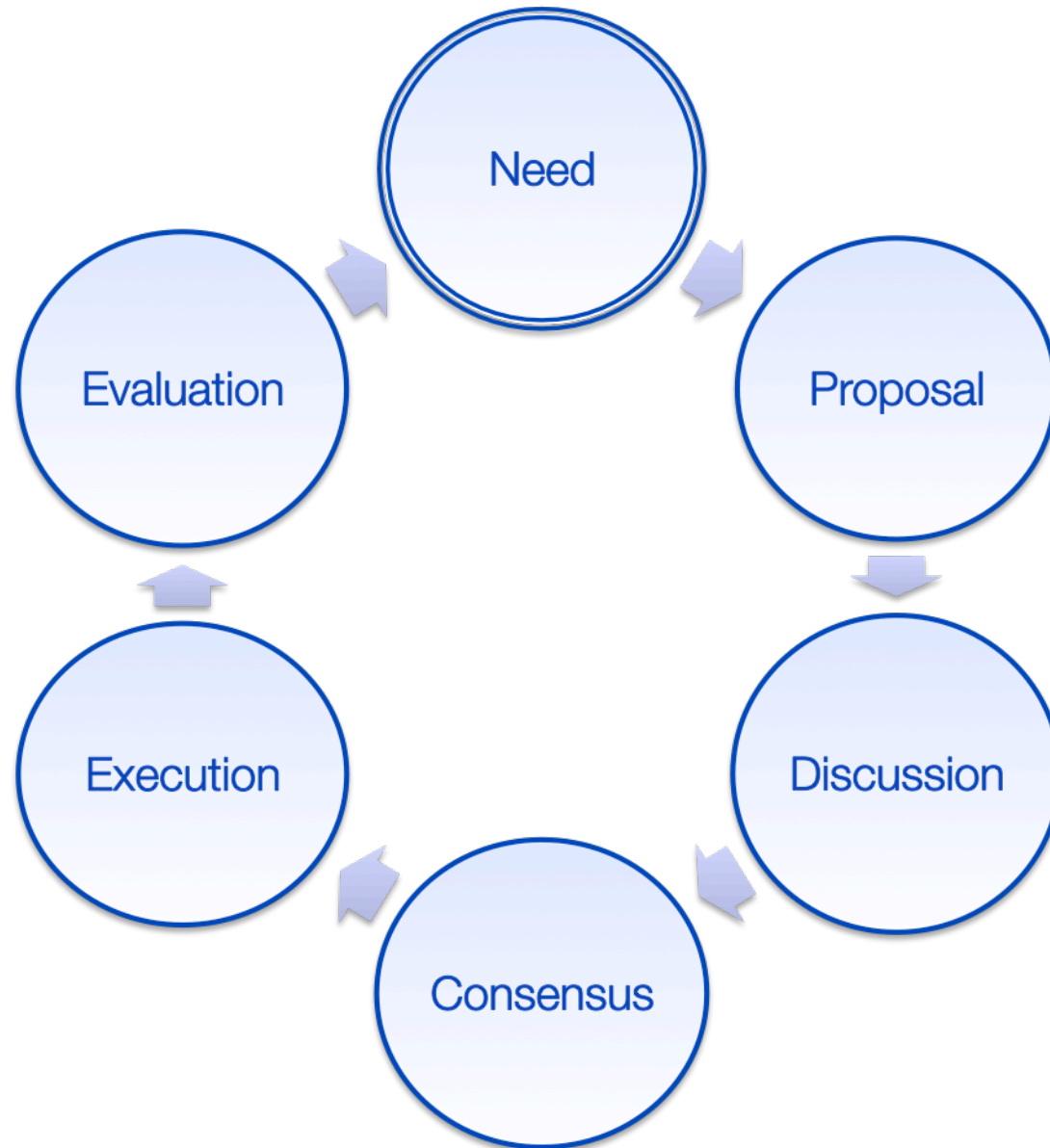
<http://www.ripe.net/ripe/policies/proposals/>

RIPE NCC Charging Scheme 2009

<http://www.ripe.net/ripe/draft-documents/gm-october2008/charging-scheme-2009.html>

# Policy development cycle

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# Policy development process (PDP)

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Open

Transparent

Developed bottom-up

Documented

Proposal

Discussion phase

Review phase

Concluding phase

RIR Comparative Policy Overview

<http://www.nro.net/documents/comp-pol.html>

# LIR course slogans... about IPv4

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Will work for /24

RIPE NCC - absolutely classless

You're too late - we have a /8

Soon it will be all too late, no space to allocate

You have reached the end of the Internet



IPv4 - eats, shoots and leaves!

# LIR course slogans... about IPv6

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I will miss IPv4

2011: make a date with a /48

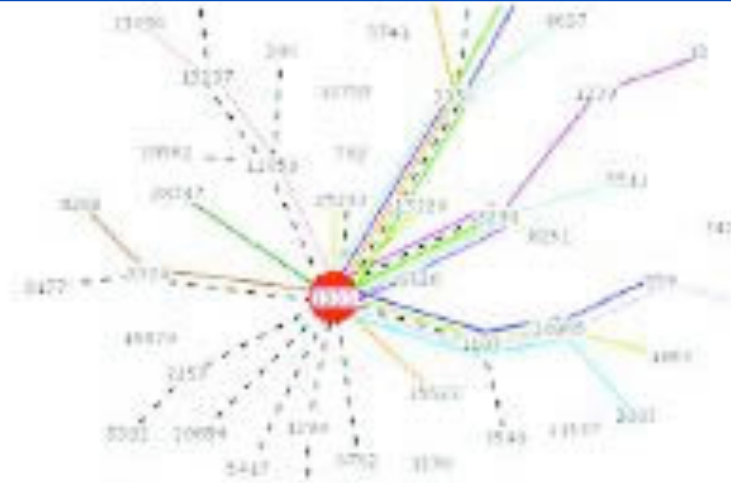
Get your IPv6, because the clock ticks

IPv6 is the fix

Ignoring IPv6 since 1996

“The day that routers died”

# RIPE NCC Information Services



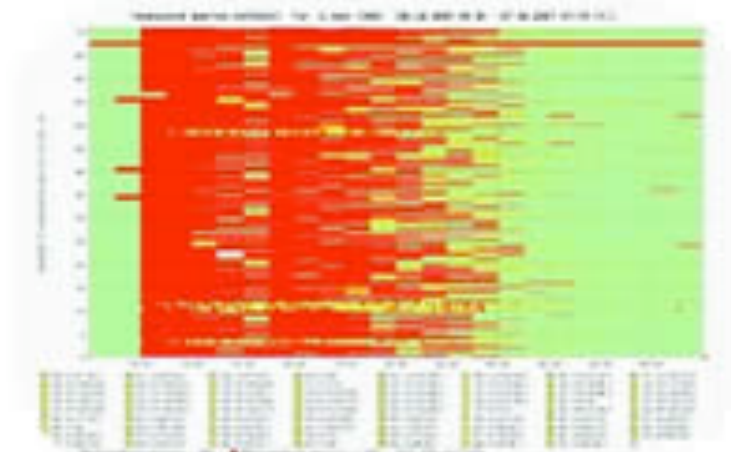
**Routing Information Service (RIS)**



**Test Traffic Measurements (TTM)**



**Hostcount**



**DNS Monitoring Service (DNSMON)**

# Questions?

