



APNIC Open Address Policy Meeting

Special Interest Group Session

March 2nd, Korea, Seoul



Problem Definition

Should APNIC make allocations from network 61 /8 on a regular basis as part of its total address pool?



Motivation and Background

Motivation

- Estimate 2 years of remaining 'C' space
 - 21.9% (7 /8s) remains free from the 'C' space
 - 62.7% (79 /8s) remains free from the 'A' space
- Improve aggregation for members
 - Make allocations across total pool

Background

- April 1997
 - IANA allocated each registry a /8 from the 'A' space
- June 1997 (AMM)
 - APNIC would allocate from 61/8 on a trial basis similar to RIPE NCC trial for 62/8



Current Status

ARIN (63/8)

- Allocations from 63/8 were made to larger members and no experiments were conducted
- In September 1999, ARIN started to allocate from 64/8 (with minimum allocation of a /20)

RIPE NCC (62/8)

- After the trial ended (Dec 1997), RIPE NCC continued to make allocations of class A address space on normal basis



Current Status

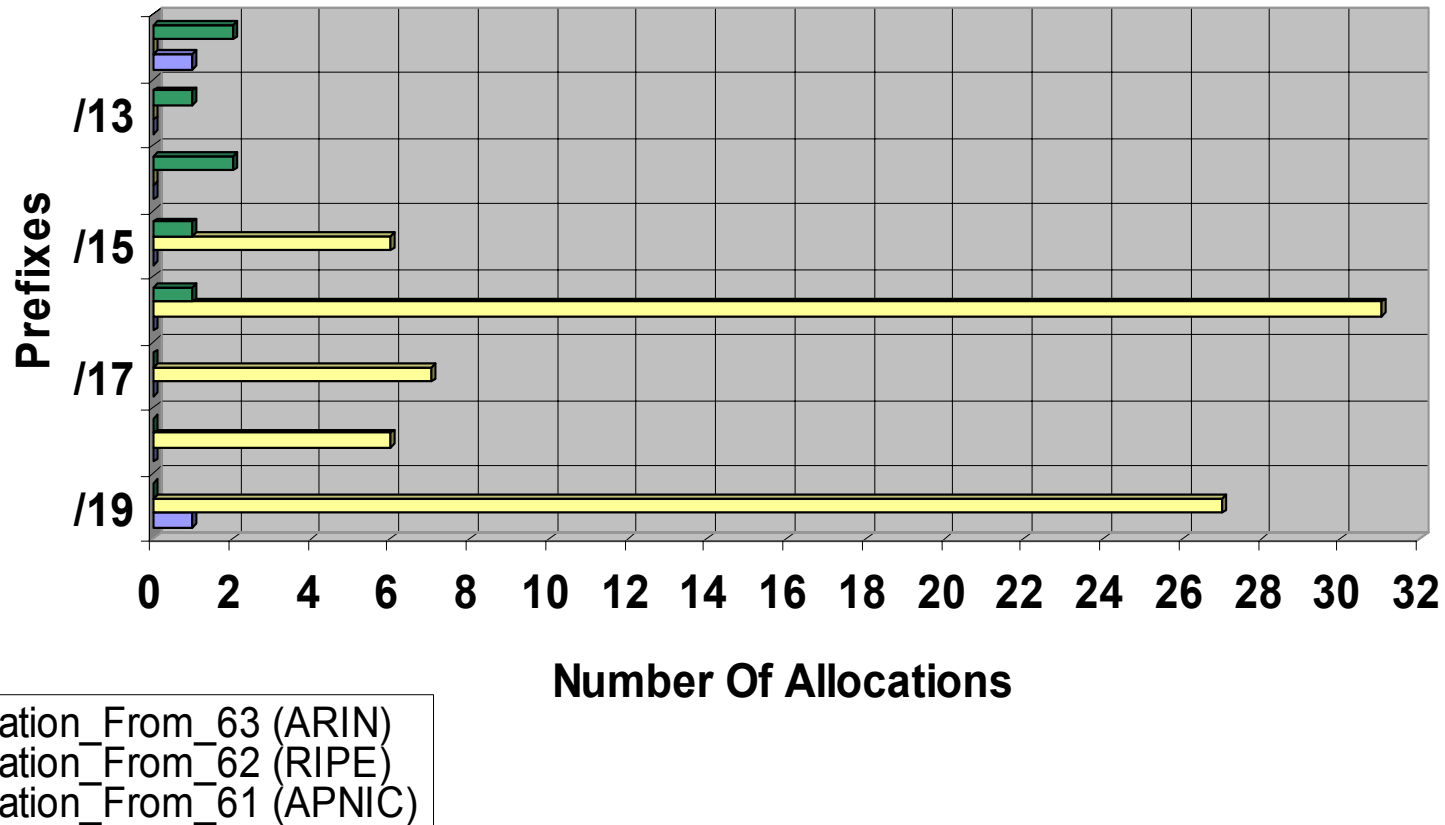
APNIC (61/8)

- Only 1 member volunteered to receive an allocation from 61/8
- Due to lack of resources, APNIC did not actively promote trial from 61/8 in 1997
- Since October 1999, allocations from 61/8 have been made to members in China, India, Hong Kong, Australia, Singapore, Philippines and Thailand



Current Status

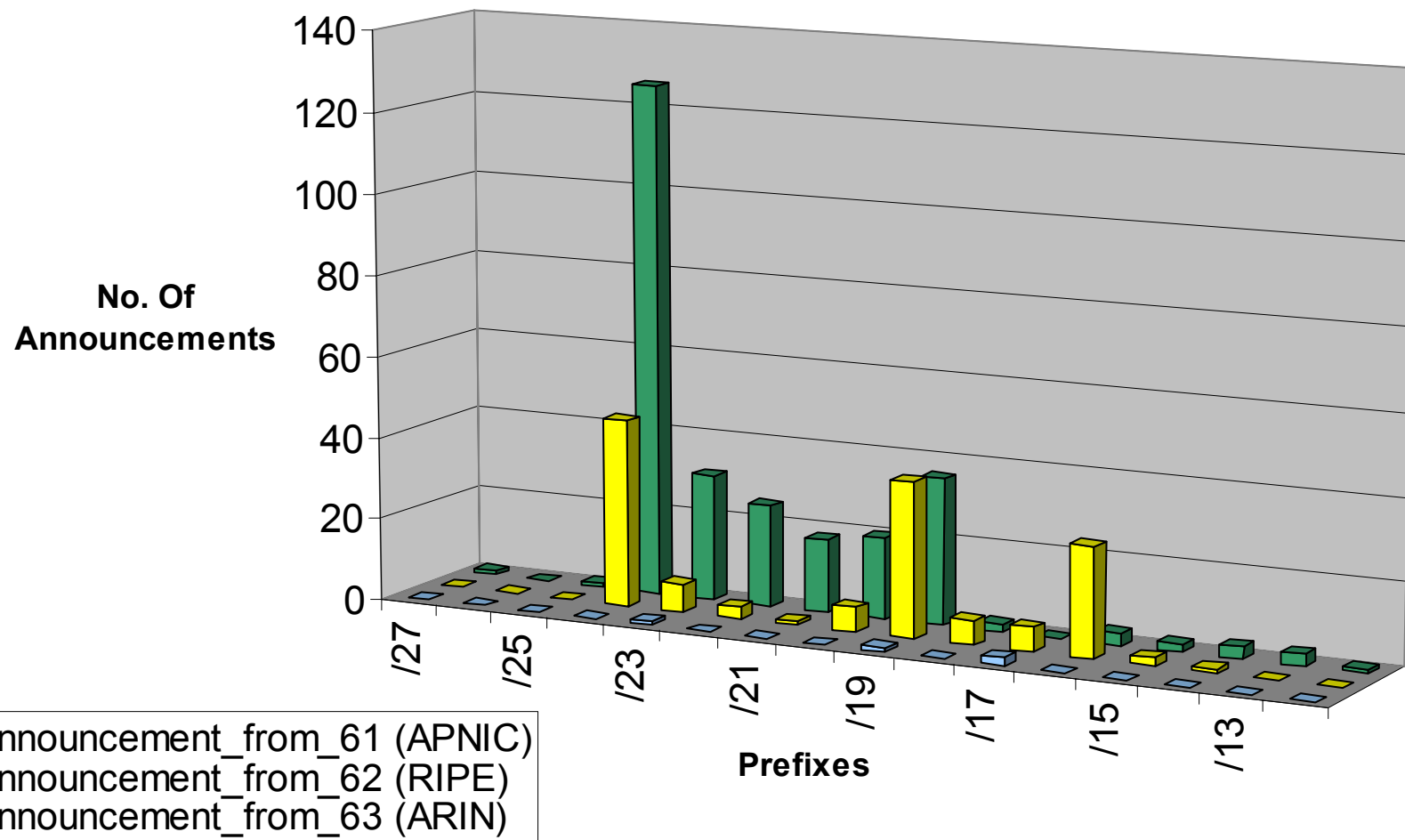
Network Allocations from 61, 62 and 63





Current Status

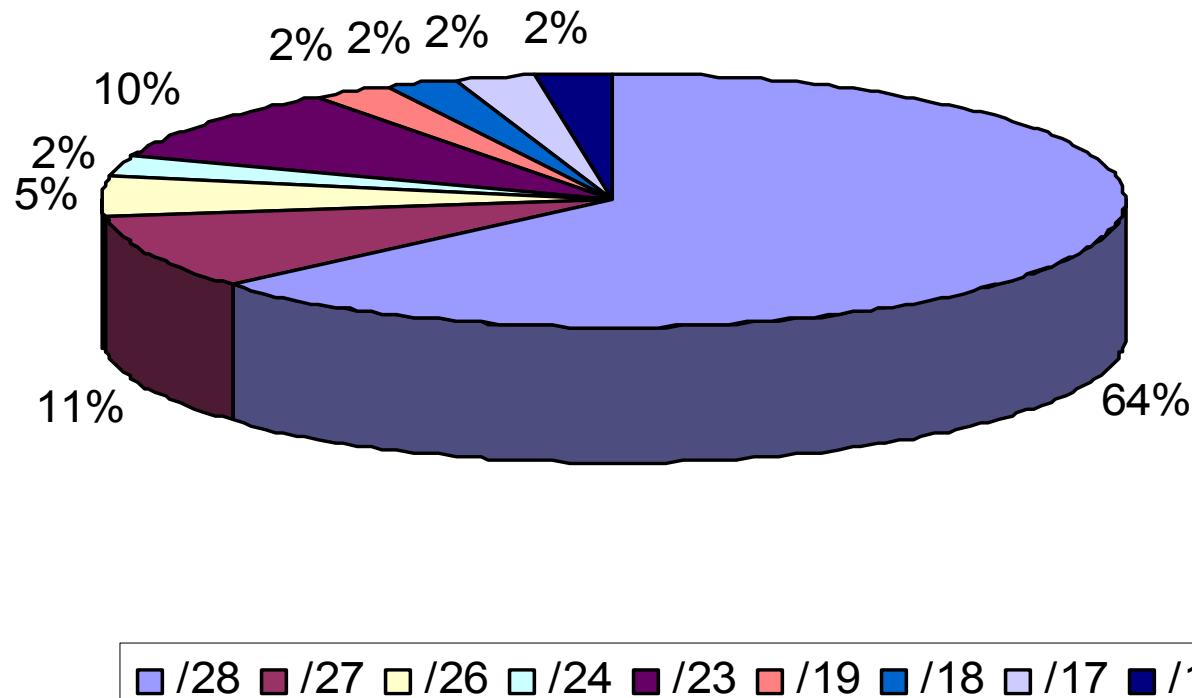
Network announcements in global routing table





Current Status

Breakdown Of Network Assignment from Network 61





Discussion

Feedback from APNIC members

- Classful filtering by some ISPs (1997)
 - Network unreachable in some parts of the Internet
 - Solution
 - Contact the individual ISPs and request them to modify their filters
- Old classful equipment or routing protocol (1997)
 - Solution
 - Upgrade software or hardware
 - All new equipment now supports CIDR



Recommendations

Feedback from RIRs and APNIC Members

- Include 61/8 as part of total address range
- Make allocations on a regular and ongoing basis to APNIC members

Recommended implementation

- Announcement via mailing lists (NANOG, APNIC, RIPE-list etc) and web site
- Suggest to make Class 'A' allocations as part of APNIC total address pool commence in 3 months from approval