



APNIC Open Address Policy Meeting

Special Interest Group Session

March 2nd, Korea, Seoul



Problem Definition

Should APNIC lower the size of the minimum allocation from /19 to /20?



Motivation and Background

Motivation

- Membership requested review
- Periodic review necessary

Background

- 1996, minimum allocation was /22
- Increased to /19 in January 1997
 - Motivation was consistency with other RIRs



Current Status

APNIC

- Minimum allocation is a /19
- No review for over 2 years

ARIN

- Members voted to change the size of the minimum allocation from /19 to a /20 in Oct '98
- Motivation was to allow more organisations access to receive address space from ARIN
- Organisation eligible only if multi-homed and has used a /21 from its upstream ISP



Current Status

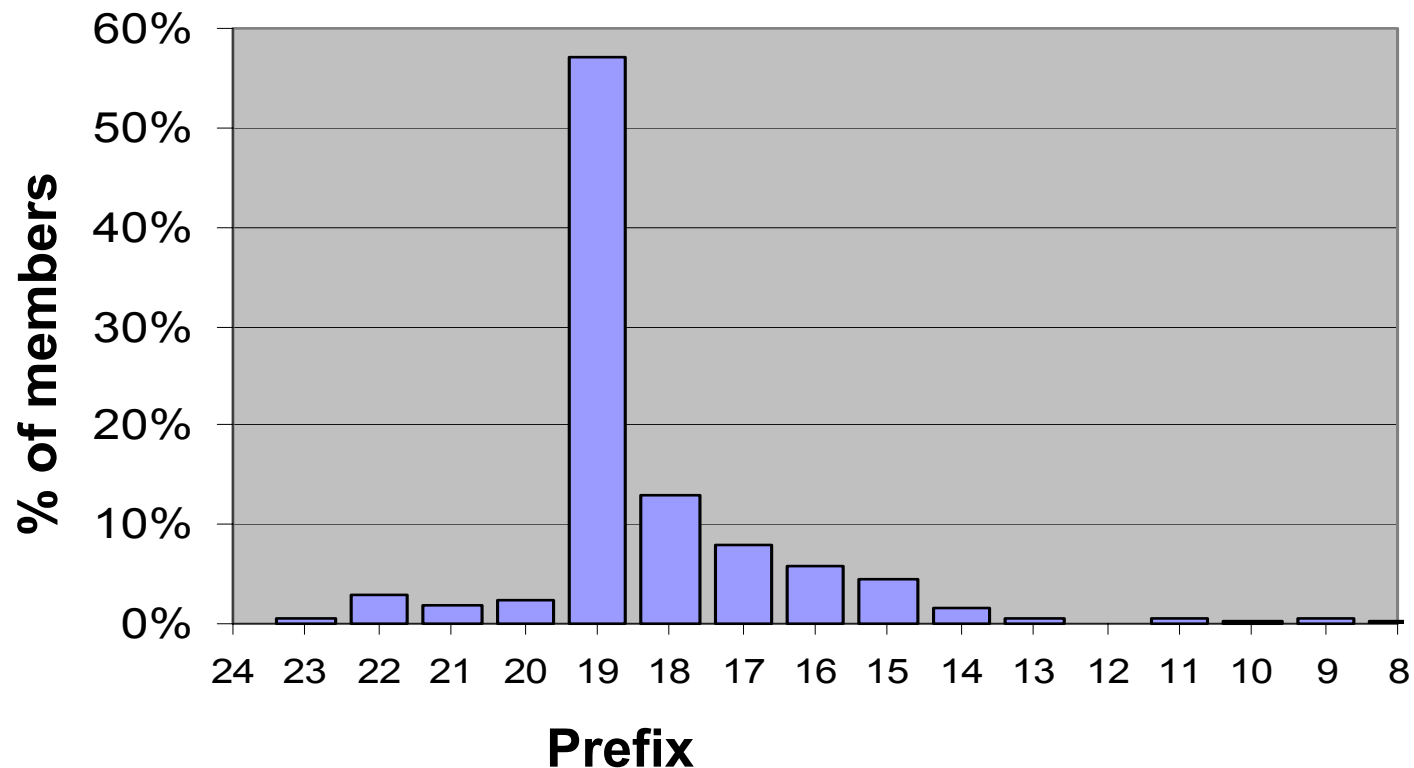
RIPE NCC

- Minimum allocation is a /19
- Reviewed size in October 1998
- Set of 1,410 LIRs
 - 22% (304) had assigned less than or equivalent to a /20 during the first 12 months of operation
 - Of the 304, 32 LIRs had since become inactive
- Conclusion
 - No vote to change
 - LIR working group felt that the benefits for conservation would not be significant



Discussion

Distribution of prefixes held by members

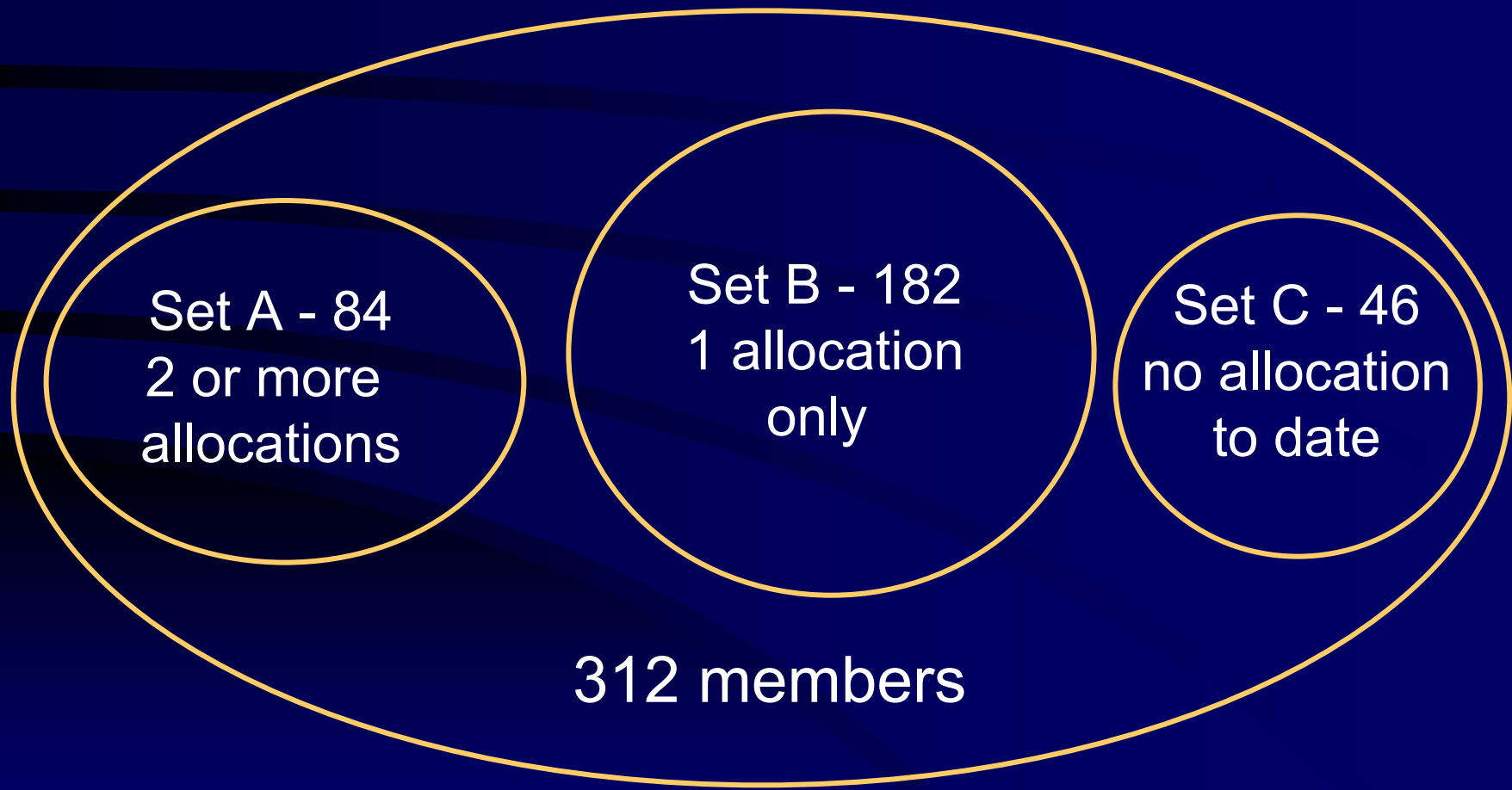


- 65% Approximately members \leq /19 in total



Discussion

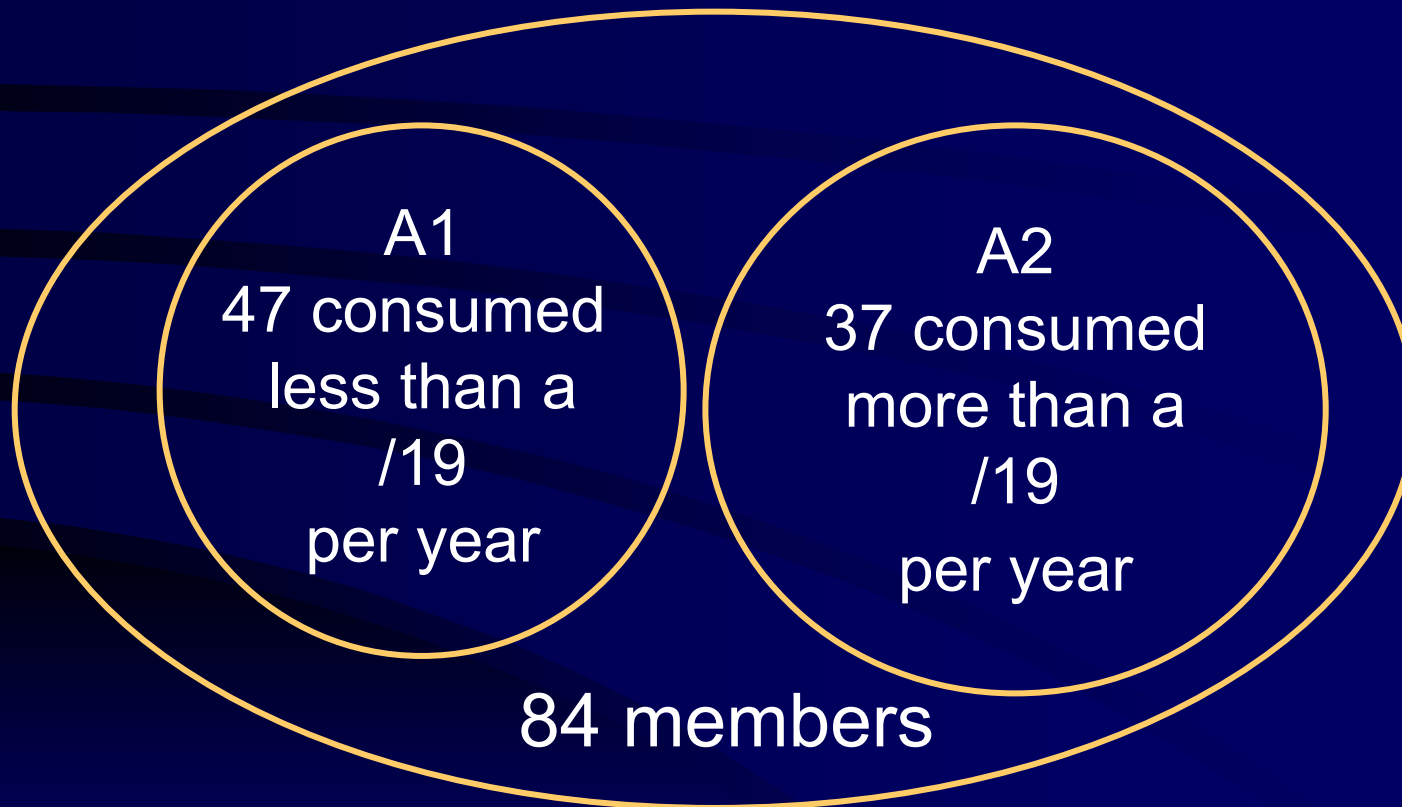
Total set of 'open' APNIC members





Discussion

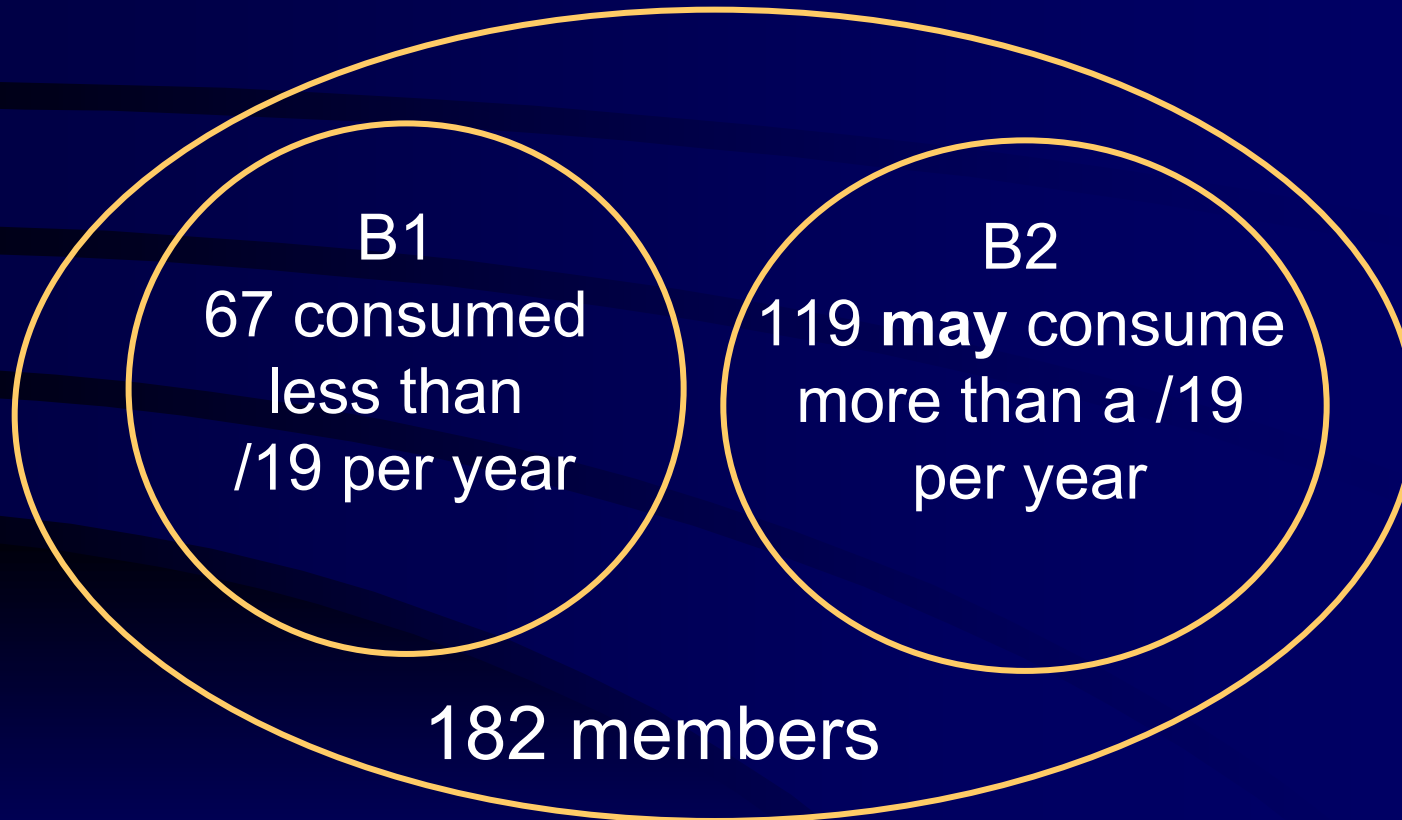
Set A - 2 or more allocations





Discussion

Set B - only 1 allocation

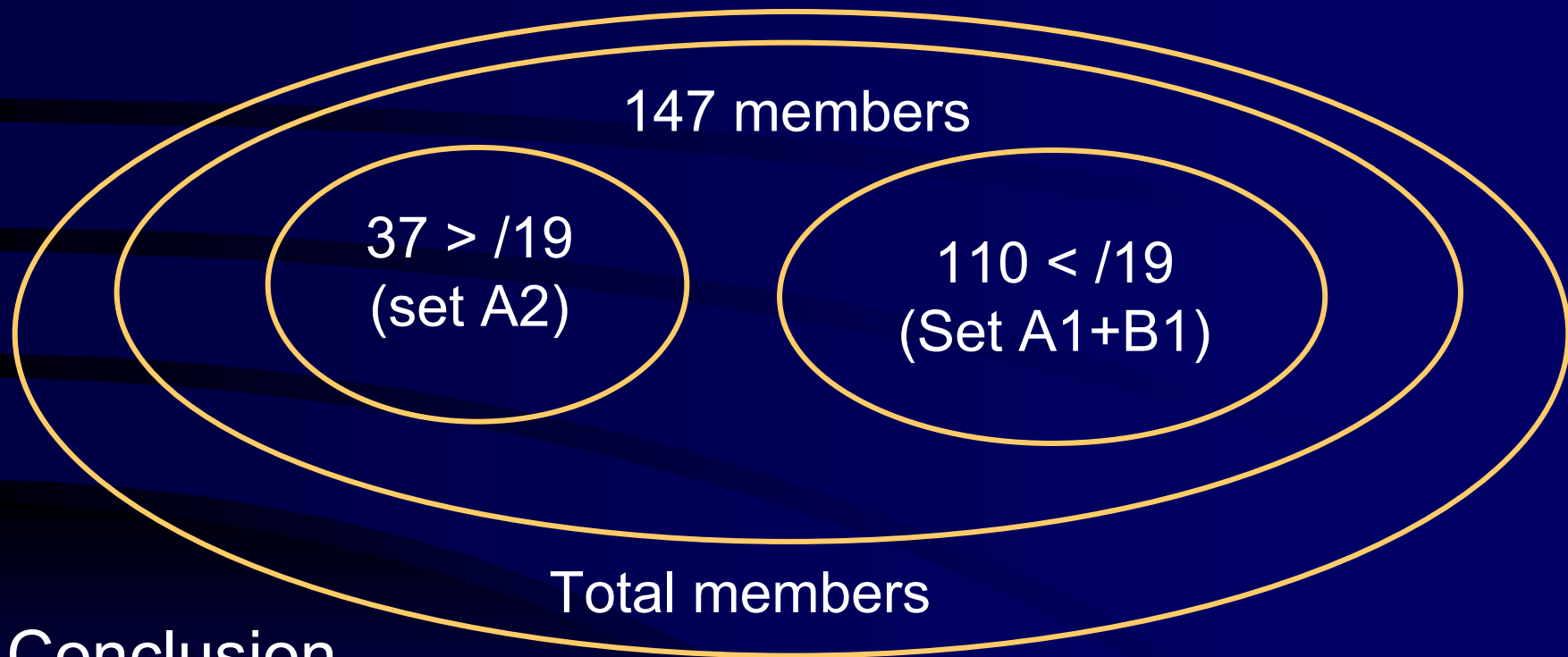


- can establish a maximum consumption rate based on the number of days since the allocation was made



Discussion

Excluding 119 with no accurate data



- Conclusion

- 110/147 (75%) of APNIC members are consuming address space at a rate of less than one /19 per year.



Discussion

Conservation

- Conservation can be improved
 - Only 25% of APNIC members use more than a /19 per year
- Is conservation an issue?
 - 50% of total address space is already allocated
 - Impact of new technologies/IPv6 unknown

Routing

- Will routing table size increase?
 - No, just a longer prefix
 - Yes, more people may apply



Recommendations

APNIC recommendation

- Is to lower the minimum allocation from a /19 to a /20

Implementation

- Publicise the change on all major operational and APNIC mailing lists
- Lead time before implementation?
 - 3 months?



Questions?