Proposal to Allow LIRs to Manage Multiple Discreet Networks Under a Single APNIC Membership.

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This Proposal Would Allow LIRs With Multiple APNIC Memberships the Ability to Combine Their Accounts While Maintaining APNIC's Current Operational Requirements.

The structure of some networks span multiple countries and many of the companies that manage multiple memberships with APNIC have a single group of people having to access different information for each account.

Examples:

Membership payments due at different times

Different assignments windows

- Putting this proposal into policy would allow a member to manage their membership accounts as a single resource. This would reduce billing complexity as well as implement a single set of guidelines to be set for their entire network. Multiple allocations would continue, as this is integral for routing purposes.

Current Status in Other RIRs:

- ARIN has a similar policy in place: Ratified Policy 2001-6: Multiple Discrete Networks -- Single Maintainer ID

- RIPE: Does not have a policy in place for this at this time.

- LACNIC: Does not have a policy in place for this type of network at this time.

Proposal Points 1 – 10

1. When applying for additional address space from an RIR for new networks or additional space for existing networks the organization must show greater than 50% utilization for the last block granted by the RIR and their allocations as a whole.

2. The organization must not issue additional IP address space to a discrete network unless all the blocks sub-allocated to that network show utilization greater than 80% individually and as a whole.

3. The organization must not sub-allocate a CIDR block larger than the current minimum allocation size of the RIR (currently /20 for APNIC region) to a new network.

4. The organization must not sub-allocate an additional CIDR block larger than the current minimum allocation size of the RIR (currently /20 for APNIC 's region) to an existing network, unless previous growth rates for that network indicate that it is likely to utilize a larger CIDR block before the time the organization will be requesting an additional block from the RIR.

5. When sub-allocating a block larger than the minimum allocation size to an existing network the LIR should use the smallest allocation possible out of a larger reserved block. This requirement is to reduce the number of routes the LIR will announce from that autonomous system.

6. The LIR must follow guidelines of RFC 2050 (or its replacement) and the policy of the granting RIR for allocations that are assigned or sub-allocated to downstream networks. This includes record keeping of IP address requests and network utilization documents for audits by the RIR.

7. LIRs with 'multiple membership accounts' should request that this policy apply to them, their existing allocations be merged, and that additional allocations will fall under this policy.

8. The LIR must record sub-allocations or assignments down to the current RIR bit boundary and record them in an approved RIR public database.

9. The LIR must keep detailed records of how it has sub-allocated space to each discrete network. This should include the block sub-allocated, any reserved blocks, and date of allocation/ reservation. The discrete network allocation information should also be present in a public database.

10. An assignment window will be assigned to the LIR and will need to be followed for their entire network. Second opinion requests will need to be sent to APNIC for review. This is to include blocks of addresses that are assigned to new or existing pools within the LIRs network.

Fees

- The IP addresses from all combined resources would be taken into account when assessing the membership tier for the organization upon the renewal of their membership.

Implementation

- If this proposal is implemented this policy would go into effect three months after approval by the APNIC community.

References

- http://www.arin.net/policy/2001_6.html
- http://www.ripe.net/ripe/wg/lir/lir-actions.html

Thank You

Questions?