ARIN 39
NEW ORLEANS | 2-5 APRIL 2017

Draft policy 2017-1:
Clarify Slow Start Transfers

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Problem Statement

With the adoption of 2016-5, the transfer policy is severed from ARIN allocation / assignment policy. It is no longer clear how slow start applies to justifying a transfer. Having a slow start algorithm available to the transfer market will make for more predictable and right sized blocks in line with organizational growth.

Problem Solution

Permit organizations who demonstrate efficient utilization to use the utilization of their most recent specified transfer(s) to extrapolate a two year growth projection allowing a specified transfer of up to double the size of the transfers used in the justification.

Proposed Changes

- Add the following to the end of 8.5.5:

Organizations may demonstrate a 24 month future projection based on the average amount of time required to efficiently utilize one or more of their most recent specified transfers.

The organization must show efficient utilization of at least 50% of all specified transfers from the current date back to the date of the earliest specified transfer included in the request. The organization will be pre-authorized for a two year window to complete one or more specified transfers up to the total number of IPv4 addresses of the transfers included in the request, divided by the number of days (no less than 90) since the earliest specified transfer included in the request was completed, multiplied by 730.

Example of the algorithm in action

If an ISP asked for a /26 90 days ago and used over 50%, then they could ask for 64 addresses / 90 (days) *730, meaning they could ask for a /23 (technically 520 addresses) with the intent to use 50% of them over a two year period.

Continued Example as an ARIN ticket

The ISP transfers a /26 on Jan 1.

90 days later, on Apr 1 The ISP submits a ticket to ARIN
  - That ticket shows that all the IP space the ISP is holding is efficiently used,
     namely, that on average greater than 50% utilized
  - That ticket specifies a look back window of the one most recent transfer,
     namely, the /26 which is 90 days old.
  - That ticket also shows that the /26 they got 90 days ago is efficiently used,
     namely, that it is also greater than 50% utilized
  - The ticket also states that sustained growth is anticipated
  - Because they efficiently used 64 IP addresses in 90 days, they are using
     0.7111 IPs per day on average. (64 IPs/90 days).
  - Over a 2 year projection (365 days * 2 years = 730 days) they are projected
     to use 519.111 IPs (64 IPs/90 days * 730 days = 519.11111 IPs).
 - Round up to 520 - technically they could ask for /23 and a /29.

ARIN Community Input

- Does the community believe this change is necessary now that we have the new transfer policy?

- If it the change is not necessary, is there a need to provide a different path for qualification ?