



Draft Policy ARIN-2014-7

Section 4.4 Micro Allocation

Conservation Update

- **2014-7 History**

- Origin: ARIN-prop-200 (Jan 2014)
- AC Shepherds: Andrew Dul, Rob Seastrom
- AC accepted as Draft Policy in January 2014
- Draft Policy text
 - Online & in Discussion Guide
 - https://www.arin.net/policy/proposals/2014_7.html

- **2014-7 – Work in Progress**

- Posted to PPML and presented for community discussion
- Advisory Council needs your feedback:
 - Is it good number policy?
 - Fair and Impartial?
 - Technically Sound?
 - Supported by the Community?
 - Should the AC continue to work on this or get rid of it?
- **Next: AC presentation**

Problem Statement

- Two networks interconnecting are generally considered to be private peers. The current policy allows an IXP to receive a micro-allocation with only two devices. Given IPv4 exhaustion and the growth of IXPs in North America it is prudent to raise the minimum criteria so that micro-allocation space is not wasted.

Policy Statement

Update section 4.4

Exchange point operators must provide justification for the allocation, including: connection policy, location, other participants (minimum of **three** total), ASN, and contact information.

IXP's formed as non profits will be considered end user organizations. All others will be considered ISPs.

Discussion

- Does the community support raising the minimum requirement for IXPs from 2 to 3?
- Does the community believe that additional clarity is needed to define if an IXP uses the end-user or ISP fee schedule?
- Other comments on problem statement or proposed text?

NRPM 4.4 – Micro-allocation

ARIN will make IPv4 micro-allocations to critical infrastructure providers of the Internet, including public exchange points, core DNS service providers (e.g. ICANN-sanctioned root and ccTLD operators) as well as the RIRs and IANA. These allocations will be no smaller than a /24. Multiple allocations may be granted in certain situations.

Exchange point allocations **MUST** be allocated from specific blocks reserved only for this purpose. All other micro-allocations **WILL** be allocated out of other blocks reserved for micro-allocation purposes. ARIN will make a list of these blocks publicly available.

NRPM 4.4 – Micro-allocation (cont.)

Exchange point operators must provide justification for the allocation, including: connection policy, location, other participants (minimum of two total), ASN, and contact information. ISPs and other organizations receiving these micro-allocations will be charged under the ISP fee schedule, while end-users will be charged under the fee schedule for end-users. This policy does not preclude exchange point operators from requesting address space under other policies.

ARIN will place an equivalent of a /16 of IPv4 address space in a reserve for Critical Infrastructure, as defined in section 4.4. If at the end of the policy term there is unused address space remaining in this pool, ARIN staff is authorized to utilize this space in a manner consistent with community expectations.

ICANN-sanctioned gTLD operators may justify up to the equivalent of an IPv4 /23 block for each authorized new gTLD, allocated from the free pool or received via transfer, but not from the above reservation. This limit of a /23 equivalent per gTLD does not apply to gTLD allocations made under previous policy.