Draft Policy ARIN-2021-6: Remove Circuit Requirement

Andrew Dul, Advisory Council Shepherd
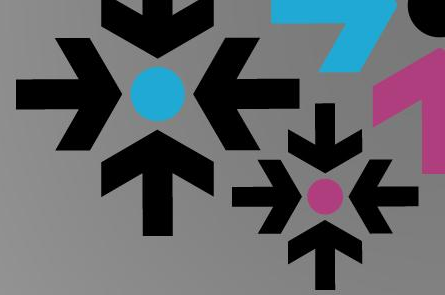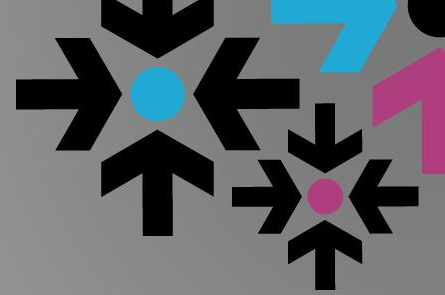
History

Proposal - 13 September 2021

Draft Policy - 16 September 2021

Not yet presented at an ARIN Meeting

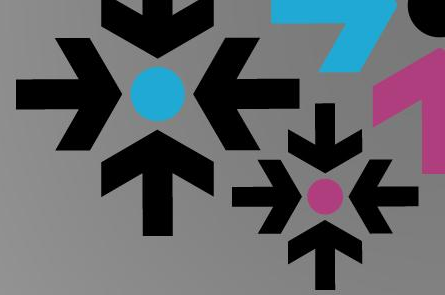Shepherds - Andrew Dul & Matthew Wilder

ARIN-2021-6: Problem Statement

- Current ARIN policy prevents the use of leased-out addresses as evidence of utilization.

Author's Note: This concise change informs staff that neither physical nor virtual circuits are required for a technical connection between LIR and customer.

ARIN-2021-6: Policy Statement

Replace

"2.4. Local Internet Registry (LIR) A Local Internet Registry (LIR) is an IR that primarily assigns address space to <u>the users of the network services that it provides.</u> LIRs are generally Internet Service Providers (ISPs), whose customers are primarily end users and possibly other ISPs."

With

"2.4. Local Internet Registry (LIR) A Local Internet Registry (LIR) is an IR that primarily assigns address space to <u>users of the network.</u> LIRs are generally Internet Service Providers (ISPs), whose customers are primarily end users and possibly other ISPs."
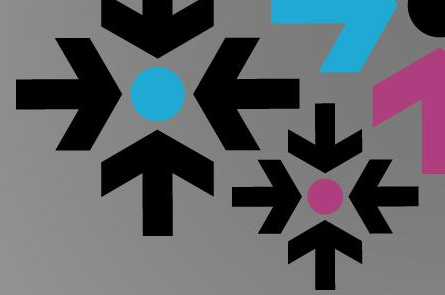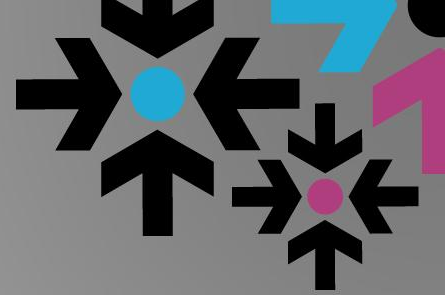
ARIN-2021-6: Policy Impacts (1)

IPv4 Wait-list

- Any organization would be able to make a request for IPv4 number resources via the wait-list regardless of if the organization provides network services to its customers.

IPv4 Transfers

- Any organization would be able to note its IPv4 address space as utilized when it is used by its customers regardless of if the organization provides network services to its customers. This would allow an organization to qualify for additional IPv4 address space via transfer even if the organization does not provide any network services to its customers.
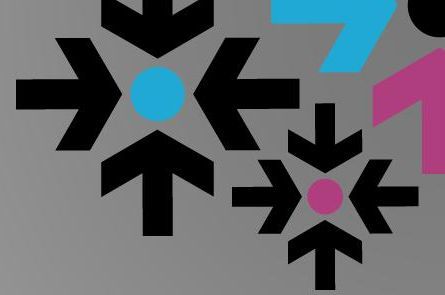
ARIN-2021-6: Policy Impacts (2)

IPv6 Allocations

● An organization would be able to make a request for IPv6 number resources regardless of if the organization provides network services to its customers.

ASN Allocations

● An organization would be able to make a request for ASN numbers regardless of if the organization provides network services to its customers.

ARIN-2021-6: Policy Impacts (3)

NRPM inconsistencies

- This current draft only updates the definitions section 2.4 (Local Internet Registry (LIR))
- The NRPM contains other sections which define how number resource should be used and redefining the nature of an LIR may create inconsistencies with other parts of the NRPM, thus to move forward other sections may also need to be updated
    - Section 1.2: …Internet number resources be efficiently distributed to those organizations who have a technical need for them in support of operational networks.
    - Section 1.4: The fundamental purpose of Internet number stewardship is to distribute unique number resources to entities building and operating networks…
    - Section 8.5.2: ARIN allocates or assigns number resources to organizations via transfer solely for the purpose of use on an operational network.
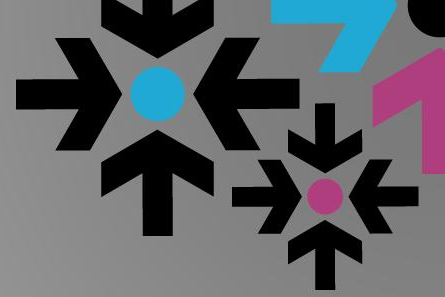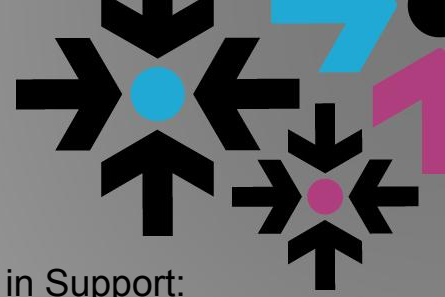
ARIN-2021-6: PPML Summary

A review of email posted to PPML noted:

- 3 contributors made a statement in support of the Draft
- 12 contributors made a statement opposed to the Draft
- 5 contributors did not state specifically their support or opposition

PPML evaluation as of Oct 8th, 2021

ARIN-2021-6: PPML Statements

Statements or reasons in Support:

- Conservation will be provided by the market as it places addresses in their best and highest need
- Allowing leasing encourages the accurate representation of usage in WHOIS/RDAP
- Lack of clarity on leasing encourages registry shopping
- Limits on leasing cause increase in leasing prices
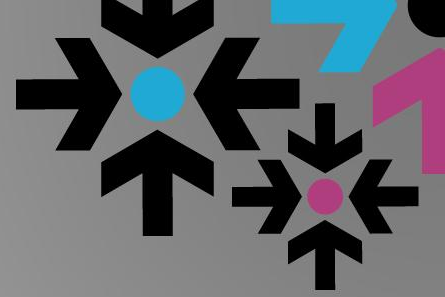
Statements or reasons not in Support:

- Explicit leasing will create additional route-table entries
- IPv4 resources should remain under control of ARIN not leasing companies
- Additional leasing encourages speculation by non-network operators and increases address prices
- Encourages existing holder of excess address space to lease rather than transfer
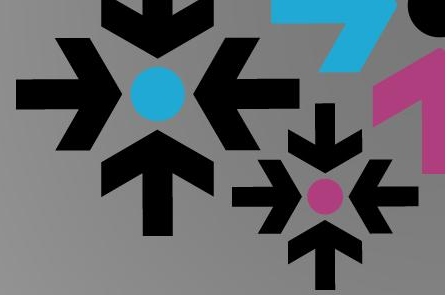
ARIN-2021-6: Discussion Questions

- Do you support the current draft policy as written?
- If you don't support as written are there changes that you would recommend that would allow you to support the draft policy?
- Do you support the concepts within the draft and would like to see the AC continue to work on this draft policy?

Thanks!

Any
Questions?