



**ARIN 44**

31 October - 1 November 2019 • Austin, Texas

# ARIN 2019-18

***LIR/ISP Re-Assignment to Non-Connected Networks***

# Problem Statement



Businesses have a need to lease IPv4 space for limited periods of time, as evidenced by a robust (technically prohibited) subleasing market. The lack of legitimization of the subleasing market hinders innovation, research, reporting, and the development of rules/industry best practices to ensure identifiability and contactability.

# Policy Overview



This policy proposal suggests changes in section 2.4 and section 8.5.2 of the NRPM.

There are two options proffered for new language in 8.5.2.

# Policy Statement



## Original Policy Language Section 2.4

### 2.4. Local Internet Registry (LIR)

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

# Policy Statement



## Proposed Policy Language Section 2.4

### 2.4. Local Internet Registry (LIR)

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

*LIRs may also assign address space to other organizations or customers that request it for use in an operational network.*

# Policy Statement



## Proposed Policy Language Section 8.5.2 Option 1:

Remove 8.5.2 entirely

### ~~8.5.2 Operational Use~~

~~ARIN allocates or assigns number resources to organizations via transfer solely for the purpose of use on an operational network.~~

# Policy Statement



## Proposed Policy Language Section 8.5.2 Option 2:

Modify 8.5.2 thus:

### **8.5.2 Operational Use**

ARIN allocates or assigns number resources to organizations via transfer solely for the purpose of use on an operational network *but may allocate or assign number resources to organizations for other purposes, including re-assignment to non-connected networks* .

# PPML feedback



- A substantial amount of confusion has resulted from the term “non-connected networks”, which is understood to mean “networks that do not have a physical or logical connection to the LIR”
- This language in the policy statement will be cleaned up post-meeting



# PPML feedback



## • Implementation details unclear

- Would the adoption of this policy mean that leased-out addresses would meet the requirements to demonstrate efficient use of prior allocations when requesting a new transfer?
- Would lease contracts with Lessees meet the requirements for demonstrating ongoing and future needs?
- Could I purchase addresses on the transfer market and justify them with leases?

# PPML feedback



- Implementation details unclear (cont'd)
  - There's plenty of leasing of address space going on today (with or without reassignment) – and no audit process unless the LIR comes back for more address space. Does this proposal boil down to a variant of the previous question – can an LIR use “leased space” as justification with ARIN to acquire more space on the transfer market?

# PPML feedback



- Metadiscussion of ARIN's role and level of control exerted on use of space.
- For those who are unaware, today RIPE exerts much looser constraints than ARIN

# PPML feedback



- Some clarifying language proposed for the policy, yet to be integrated

# Questions for the Community



- Do you support the intent of this policy (decouple IP address reassignment from network services)?
- Do you support option 1 (remove 8.5.2) policy as written?
- Do you support option 2 (modify 8.5.2) as written?

# Questions for the Community



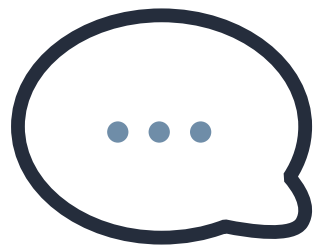
## How about implementation?

- Should the adoption of this policy mean that leased-out addresses would meet the requirements to demonstrate efficient use of prior allocations when requesting a new transfer?
- Should lease contracts with Lessees meet the requirements for demonstrating ongoing and future needs?
- Should an entity be able to purchase addresses on the transfer market and justify them with leases?

???

**Thank you.**

Any Questions?



# Discussion

