



Policy Experience Report

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Purpose of Policy Experience Report



- Review existing policies
 - **Ambiguous text/Inconsistencies/Gaps/Effectiveness**
- Identify areas where new or modified policy may be needed
 - **Operational experience**
 - **Customer feedback**
- Provide feedback to community and make recommendations when appropriate

Subject Policies



- Issuing IPv4 Prefixes Longer than /24
Dedicated IPv4 Block to Facilitate IPv6 Deployment
- IPv4 Address Block Swapping
- 8.2 Transfers (“return” language)

Issuing Prefixes Longer than /24



- NRPM 4.10 – Dedicated IPv4 Block to Facilitate IPv6 Deployment
 - “This block will be subject to a minimum size allocation of /28 and a maximum size allocation of /24.”
- Potential Issue(s):
 - Organizations who receive longer than /24 may experience routing related issues
 - Reverse DNS Services from ARIN for prefixes longer than /24
- Information:
 - **We have received and approved 2 requests so far (/24s)**
 - **We will keep the community informed as this policy enters expected high volume use**

IPv4 Block Swapping



- Scenario
 - Small ISP sells a market to another provider
 - Deal includes all customers and equipment, but specifically excludes IPv4 address blocks (because of depletion)
 - Seller of market wants to retain their IPv4 blocks and forces buyer of market to renumber everything using their own IPv4
- Then This Happens
 - Renumbering issues cause buyer of market to suggest to seller that instead of renumbering, perhaps they can swap blocks
 - Seller of market agrees to include the IPv4 blocks in the deal, but only if buyer of market agrees to provide equal sized unused blocks to seller of market in the deal
 - ARIN then receives the resulting transfer request

IPv4 Block Swapping



- Issue
 - The companies who agree to swap blocks may run into needs-assessment or subsequent transfer constraint issues with the request
 - The two companies want to swap IPv4 blocks with no net change in IPv4 holdings on either side
- Considerations
 - ARIN staff considers a request to swap equal space to minimize operational impacts not contrary to the intent in NRPM and will accommodate customer requests to exchange equal amounts of address space
 - Community feedback is needed if it desires otherwise

8.2 Transfers (“return” language)



NRPM 8.2. Mergers and Acquisitions

“In the event that number resources of the combined organizations are no longer justified under ARIN policy at the time ARIN becomes aware of the transaction, through a transfer request or otherwise, **ARIN will work with the resource holder(s) to return or transfer resources as needed to restore compliance** via the processes outlined in current ARIN policy.”

8.2 Transfers (“return” language)



- Problem
 - Some organizations are concerned ARIN will “revoke” their resources if they submit 8.2 transfer request because of the “return” language in the policy, despite explicit language in the RSA agreements precluding reclamation for low utilization
 - ARIN staff attempts to reassure customers they can initiate the 8.2 process and state they plan to later transfer the resources under an 8.3 or 8.4
 - Their concern about 8.2 “return” language causes them to not submit a request and leave inaccurate data in WHOIS
- Considerations
 - Perceptions here are very real, and will continue so long as the NRPM “return” language remains.

