

Policy Implementation and Experience Report

John Sweeting
Chief Experience Officer





Policies Reviewed

- Number Resource Policy Manual 8.4 Inter-RIR Transfers with AFRINIC
- LACNIC Sub-Assignment of IPv4 Resources to Third Parties
- Encouraging IPv6 adoption



ARIN NRPM 8.4. Inter-RIR Transfers to Specified Recipients

Policy and Purpose



ARIN NRPM 8.4. Inter-RIR Transfers to Specified Recipients

Inter-regional transfers of IPv4 addresses or Autonomous System numbers (ASNs) may take place only via RIRs who agree to the transfer and share reciprocal, compatible needs-based policies.

Current Staff Practice and Experience

Current Staff Practice and Experience

ARIN, APNIC, LACNIC, and RIPE NCC share reciprocal, compatible needs-based policies and allow inter-RIR transfers of IPv4 addresses and ASNs.

AFRINIC recently reached consensus on a policy that would allow inter-RIR transfers.

AFRINIC Number Resources Transfer Policy Ratified



- AFPUB-2020-GEN-006-DRAFT03 ratified by the AFRINIC Board on 4 February 2026
- Implementation date TBD
- ARIN staff has reviewed AFRINIC's inter-RIR Transfer Policies and have concluded they are reciprocal with ARIN's needs-based inter-RIR transfer policies.
- ARIN intends to allow the transfer of IPv4 addresses and ASNs to and from AFRINIC once AFRINIC staff have completed implementation of their inter-RIR transfer policies.

Resource Type Definitions



1. **AFRINIC pool == Regional**

- AFRINIC-managed pool of IPv4 and ASNs obtained from IANA (allocated and recovered) or through the ERX (early registration transfers).

2. **Special-Purpose pool == Reserved**

- resources currently reserved for critical Internet infrastructures; IXP, core DNS service providers (section 5.6.4 of CPM))
- resources distributed during the exhaustion phases of the soft landing policy; last /8 (section 5.4 of CPM)

3. **Legacy == Legacy**

- received IPv4 address space and ASNs before the RIR system existed.

4. **Others == Global**

- Resources received via Inter-RIR transfer

- **Legacy and Global resources can be transferred out of AFRINIC**
- **Legacy resources transferred into AFRINIC are marked as Global**



Questions and Discussion



LACNIC Sub-Assignment of IPv4 Resources to Third Parties

Policy and Purpose



LAC-2025-5: Sub-Assignment of IPv4 Resources to Third Parties

LACNIC has ratified a policy that allows leasing under specific requirements and restrictions.

- used exclusively within the LACNIC service region
- receiving organization must hold at least one ASN and IPv6 address space assigned by LACNIC
- minimum size is a /24 and the maximum a /22
- needs based justification
- no further sub-assignments to third parties
- IPv4 blocks obtained directly from LACNIC through assignment or allocation or via transfer may not be sub-assigned under this modality for a period of three (3) years from their receipt.
- Organizations that sub-assign IPv4 addresses under this modality may not request new IPv4 blocks or receive IPv4 block transfers for a period of three (3) years from the date of their last sub-assignment.

Current Staff Practice and Experience

LACNIC Sub-Assignment of IPv4 Resources to Third Parties

The ARIN region does not have any policies that specifically allow leasing

ARIN does not consider leasing to be efficient needs-based utilization for **approving a recipient transfer request under NRPM 8.3/8.4.**

ARIN does not consider leasing to be efficient needs-based utilization for the **purpose of qualifying to receive address space from the IPv4 Waiting List.**

Policy proposals regarding IPv4 address leasing have not reached consensus in the ARIN region.

Current Staff Practice and Experience

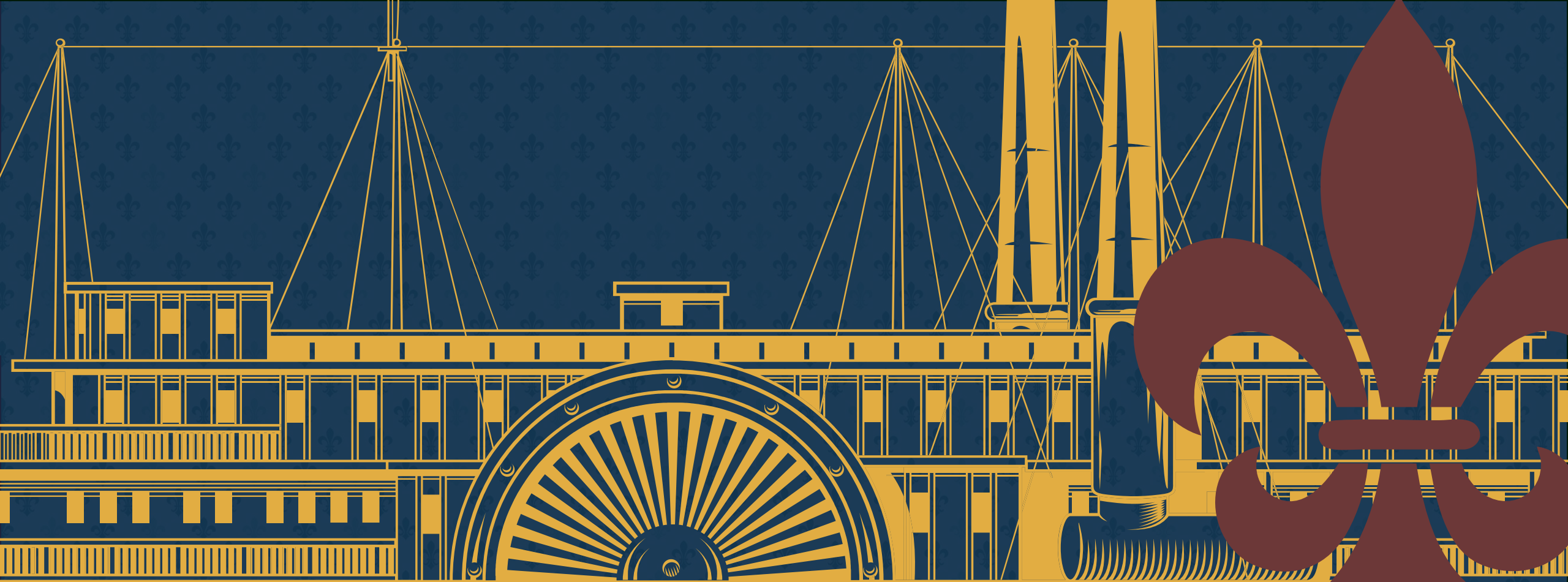
LACNIC Sub-Assignment of IPv4 Resources to Third Parties

Staff Observations:

Staff has observed on numerous occasions that IPv4 address space transferred from ARIN via inter-RIR transfers show up on leasing platforms in other regions.



Questions and Discussion



Encouraging IPv6 Adoption

Possible options to encourage IPv6 adoption the ARIN community could consider

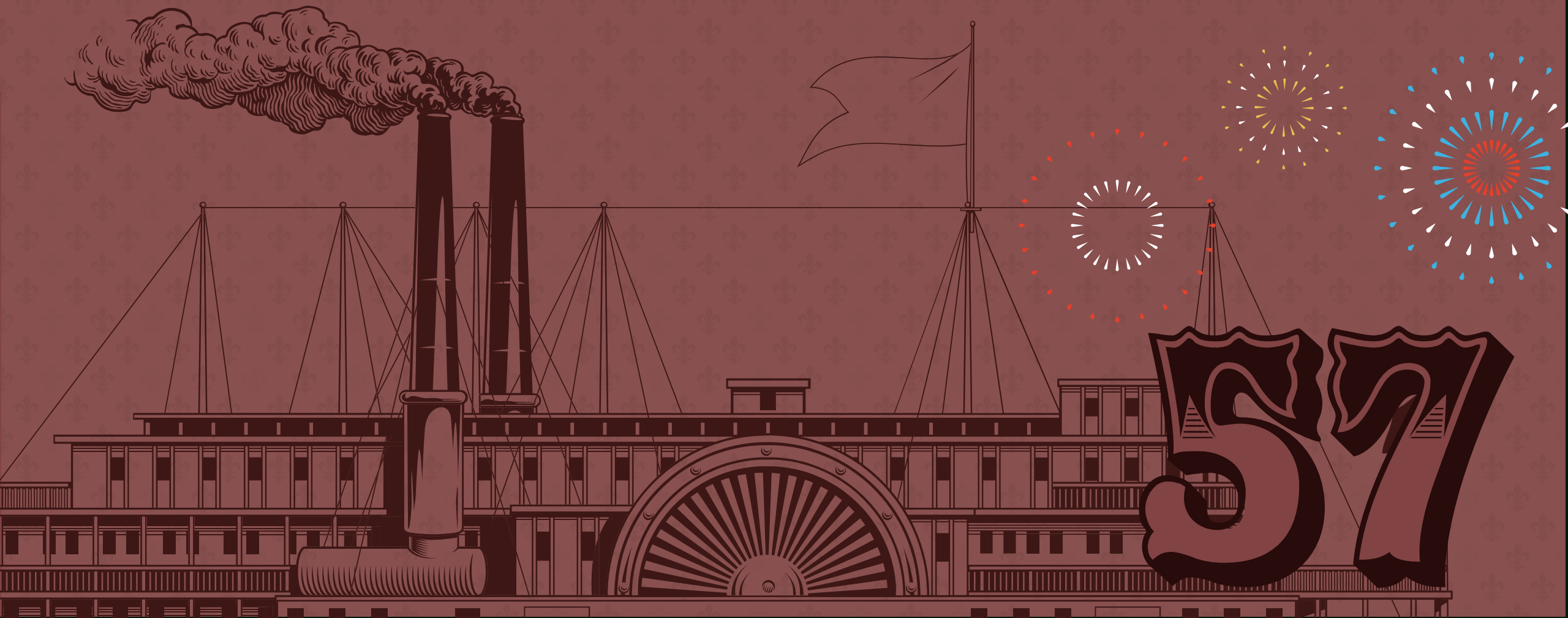


- Requiring that applicants to the IPv4 Waiting List demonstrate they have an active IPv6 deployment within the ARIN region?
- Reducing the IPv4 Waiting List size to a /24? (NOTE: Draft Policy ARIN-2023-8 suggested reducing to /24 and limiting to only one; the policy was abandoned in August 2025.)
- Reducing the size of the block to be issued from the IPv4 Waiting List and demonstrating an active IPv6 deployment?



Questions and Discussion

Thank You



57