



# NRO / RIR Operational Update

June 2015

**Axel Pawlik**  
**NRO Chair**

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Number Resource Organization



## APNIC

- Reached last /8 April 2011.
- Up to /22 from 103/8 and up to /22 from recovered pool.

## RIPE NCC

- Reached last /8 (185/8) September 2012.
- One /22 per LIR.

## ARIN

- Last /10 reserved: /28 - /24 for new entrants.
- Justified by immediate IPv6 requirements.

## LACNIC

- Reached last /10 in June 2014.
- /11 reserved for gradual exhaustion:
  - /24 to a /22 once every 6 months.
- Final /11 (and recovered space)
  - One initial assignment from /22 to a /24 for new members.

## AFRINIC

- Last /8: Maximum allocation size /13.
- Final /11: Allocation size min /24 - max /22.

# Resource Transfers

	IPv4	IPv6	ASNs
<b>AFRINIC</b>			
<b>APNIC</b>	✓		✓
<b>ARIN</b>	✓		
<b>LACNIC</b>	Current proposal		
<b>RIPE NCC</b>	✓	✓	✓

- All current policies (and proposals) refer to intra- and inter-RIR transfers.
- IPv4 transfers now occurring between RIR members in ARIN and APNIC.
- RIPE NCC currently implementing policy to allow transfers with other regions (with compatible transfer policies).

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# IANA - RIR IPv4 Allocation

- Based on Global Policy for Post Exhaustion IPv4 Allocation.
- Third allocation made on March 1 2015.
- Each RIR received 524,288 IPv4 addresses (a equivalent of /13).

45.8.0.0	45.15.255.255	RIPE NCC
45.68.0.0	45.71.255.255	LACNIC
45.4.0.0	45.7.255.255	LACNIC
45.72.0.0	45.79.255.255	ARIN
45.248.0.0	45.255.255.255	APNIC
45.240.0.0	45.247.255.255	AFRINIC

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**Thank you**

**Questions ?**

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