



Meet the NRO

The Number Resource Organization



About the NRO

The Number Resource Organization (NRO) (estd. in 2003) is the coordinating body for the five Regional Internet Registries (RIRs) that manage the distribution of Internet number resources, including IPv4 and IPv6 addresses, and Autonomous System (AS) numbers.



Internet Number Resources

IPv4, IPv6 and ASNs

Unique IPv4 Addresses

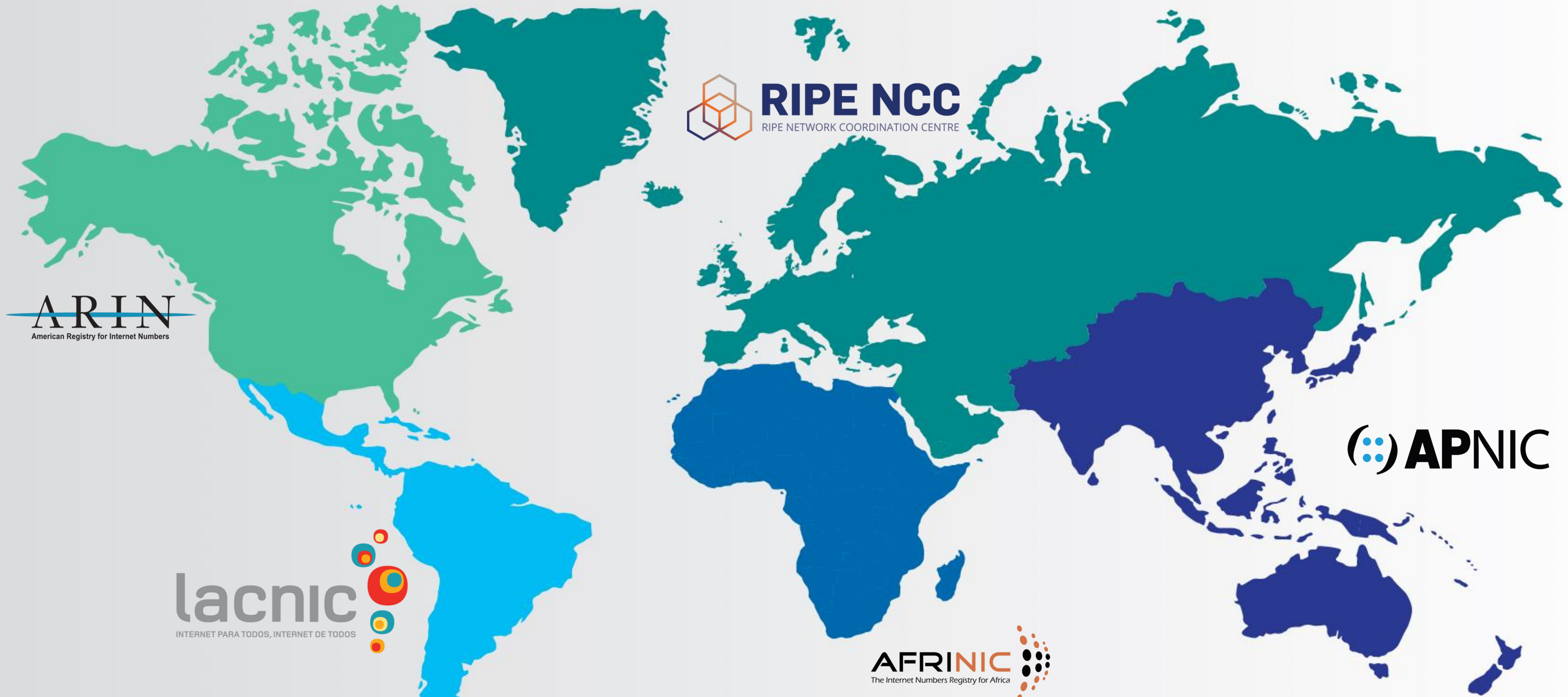
4,294,967,296 or roughly 4.2 billion unique addresses

Unique IPv6 Addresses

340,282,366,920,938,463,463,374,607,431,768,211,456 or 340 undecillion unique addresses.

Or more IPv6 addresses than grains of sand on the Earth...





Meet us at ICANN 82

ARIN, serving Canada, many Caribbean and North Atlantic Islands, and the United States

LACNIC, serving Latin America and the Caribbean

AFRINIC, serving Africa and the Indian Ocean

RIPE NCC, serving Europe, the Middle East, and parts of Central Asia

APNIC, serving the Asia Pacific region

About the RIRs

Each Regional Internet Registry (RIR) is a not-for-profit, member-based organization governed by open and transparent processes developed by the community in a bottom-up manner.



Africa and the
Indian Ocean



Asia and Oceania



Canada, United
States, and parts of
the Caribbean



Latin America
and Caribbean



Europe, the Middle
East, and parts of
Central Asia



Serves as the ASO

- Address Supporting Organization
- Part of the ICANN supporting organizations since October 1999
- Active participants of the ICANN empowered community mechanisms
- Charged with reviewing and developing recommendations on Internet Protocol (IP) address policy and advises the ICANN Board on policy issues relating to the operation, assignment, and management of IP addresses.





NRO Mission

To actively contribute to an open, stable, and secure Internet by:

- Providing and promoting a coordinated Internet number registry system
- Being an authoritative voice on the multistakeholder model and bottom-up policy process in Internet governance
- Coordinating and supporting joint activities of the RIRs



Internet Governance in 2025

- World Summit on Information Society: 20-Year Review (WSIS+20)
- Discussions on whether or not to extend the mandate of the Internet Governance Forum (IGF) beyond 2025
- Implementation of the Global Digital Compact
- RIR work on strengthening the Internet Coordination Policy - 2 (ICP-2)

Our Role as the Technical Community

To reiterate the need to preserve the interoperability, availability and integrity of the global Internet

- Safeguard open standards and the integrity of unique Internet identifiers
- Recognise the role of governance structure like the IETF, ICANN and the RIRs
- Strengthen the technical community's role by improving information-sharing and communication between technical community, governments and other stakeholders

Strengthening the Registry System: ICP-2

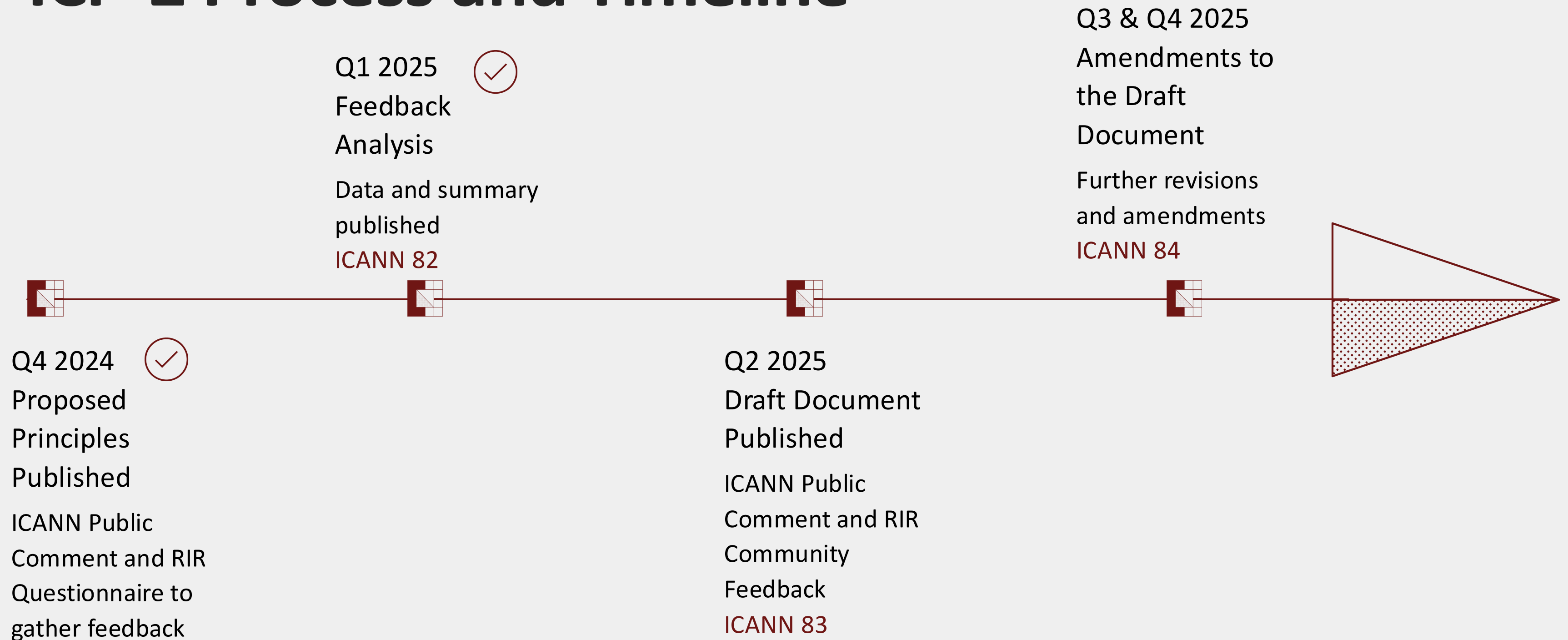
- ICP-2 is the document that establishes the criteria for the recognition of new RIRs. LACNIC and AFRINIC were established using these criteria.
- The NRO Executive Committee asked the NRO NC/ASO AC to help with:
 - Reviewing and advising on draft processes to validate ongoing RIR compliance with ICP-2
 - Strengthening ICP-2 to provide the RIR system with better accountability
- Work is ongoing to update ICP-2 with input from the RIR communities and ICANN stakeholders

ICP-2 Updates



<https://www.nro.net/policy/internet-coordination-policy-2/>

ICP-2 Process and Timeline



<https://www.nro.net/policy/internet-coordination-policy-2/process-for-the-review-of-icp-2-and-timeline/>

Join Us

ARIN 55

27 - 30 April

Charlotte, North Carolina, USA

LACNIC 43

5 - 9 May

São Paulo, Brazil

RIPE 90

12 - 16 May

Lisbon, Portugal

APNIC 61

4 - 11 SEPTEMBER

Da Nang, Viet Nam

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