

Proposed Principles for the Next Version of ICP-2



ICANN82 Prep Week
24 February 2025

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Level Setting

Internet Number Resources, Regional Internet Registries, and Relationships

Internet Number Resources

An **Internet Protocol (IP) address** is a numeric identifier that is intended to uniquely identify a device attached to the Internet.

Currently, there are two types of IP addresses in active use: **IP version 4 (IPv4)** and **IP version 6 (IPv6)**. IPv4 addresses are 32-bit numbers; IPv6 addresses are 128-bit numbers.

An Autonomous System (AS) is a group of IP networks that use a single and clearly defined routing policy under the same management, such as an Internet Service Provider or other business. **Autonomous System Numbers (ASNs)** are globally unique numbers used to identify these groups of networks. ASNs allow an autonomous system to exchange routing information with neighboring autonomous systems.

The **Internet Assigned Numbers Authority (IANA)** allocates Internet number resources to the Regional Internet Registries.

Regional Internet Registries

A **Regional Internet Registry (RIR)** is an organization that allocates and registers blocks of Internet number resources and provides related services to Internet service providers and other organizations in its geographical service region.

There are currently five RIRs. Each RIR is accountable to its community and implements the policies developed by its community.



REGISTRY	AREA COVERED
AFRINIC	Africa Region
APNIC	Asia/Pacific Region
ARIN	Canada, USA, and some Caribbean Islands
LACNIC	Latin America and some Caribbean Islands
RIPE NCC	Europe, the Middle East, and Central Asia

Relationships

The **Number Resource Organization (NRO)**...

- is the coordinating body for the RIRs.
- is led by the **NRO Executive Council (EC)**, comprising the chief executives of the RIRs.
- also consists of the **NRO Number Council (NRO NC)**, comprising up to three community members from each of the five regions.

Established in the ICANN Bylaws, the **Address Supporting Organization (ASO)** reviews and develops recommendations on global Internet number resource policy and advises the ICANN Board on policy issues relating to the operation, assignment, and management of Internet number resources.

Through a Memorandum of Understanding with ICANN, the NRO serves as the ASO in the ICANN community. Therefore, the NRO Number Council serves as the **ASO Address Council (ASO AC)**, which

- manages the global policy development process
- appoints ICANN Board seats 9 and 10
- *provides recommendations on the recognition of new RIRs.*

Internet Coordination Policy 2

Review and Principles

Internet Coordination Policy 2 (ICP-2)

ICP-2 defines **criteria for the establishment of new RIRs**, which may be delegated responsibility for management of Internet resources within a given region of the globe.

Developed by the ASO in cooperation with APNIC, ARIN, and RIPE NCC, and recommended by the ASO Address Council, **the ICANN Board accepted ICP-2 in June 2001.**

Through ICP-2, the **ICANN Board recognized LACNIC in October 2002 and AFRINIC in April 2005 as RIRs** for their respective service region.



ICP-2 Review

In October 2023, the NRO Executive Council asked the ASO Address Council to establish and manage a process to propose **updates to ICP-2** in consultation with each of the RIR communities.

The intent of this initiative is to provide the RIR system with **greater accountability to the Internet community**.

The ASO Address Council welcomed the task and set out to review ICP-2 in collaboration with the RIRs. Through teleconferences, in-person meetings, and asynchronous work sessions, the ASO Address Council identified a set of **principles** that it believes should be reflected in the next version of ICP-2.

The ASO Address Council [published these principles](#) for feedback from the Internet community through a [questionnaire of the RIR communities](#) and a [Public Comment proceeding for the ICANN community](#).

24 principles

Governance

- Authority
- Amendment
- Rectification

RIR ecosystem

- Coverage
- Service region

RIR lifecycle

- Recognition
- Operation
- Derecognition

Recognition

- Community support
- Community commitment

Derecognition

- Remedial bias
- Handoff

Operation

- Independence
- Not-for-profit
- Corporate governance
- Member-controlled
- Community-driven
- Neutrality
- Transparency
- Audit
- Service
- Continuity
- Anti-capture
- Ecosystem stability

Internet Community Feedback

ICANN Public Comment and NRO Questionnaire

ICANN Public Comment Proceeding

A questionnaire contained **24 questions, one for each principle.**

Respondents expressed their level of agreement through a five-point scale:

1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree

Summary Report
published on 8 January 2025
[Download PDF \(386.25 KB\)](#)



14 Submissions

Groups

1. African members of the Governmental Advisory Committee (AGAC)
2. Asian, Australasian, and Pacific Islands Regional At-Large Organization (APRALO)
3. At-Large Advisory Committee (ALAC)
4. German Government Federal Ministry for Digital and Transport (FRG)
5. Government of India Ministry of Electronics and Information Technology (ROI)
6. Internet Infrastructure Coalition (IIC)
7. Internet Service Providers and Connectivity Providers Constituency (ISPCP)
8. Russian Federation Ministry of Digital Development, Communications and Mass Media RF)
9. Registries Stakeholder Group (RySG)

Individuals

1. Abraham Selby, Pan African Youth Ambassadors for Internet Governance (AS)
2. Athanase Bahizire, ISOC Democratic Republic of the Congo chapter (AB)
3. Barkha Manral (BM)
4. Felix Opilli, African Regional At-Large Organization, AFRALO (FO)
5. Nikesh B. Simmandree (NS)

Questionnaire Responses

Name	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24
AB	4	5	5	5	5	5	5	4	5	5	5	5	3	5	5	5	5	5	5	5	5	5	5	5
AGAC	4	5	5	5	5	5	5	4	2	4	5	5	5	4	5	5	5	5	5	5	5	5	5	5
ALAC	5	4	5	5	5	5	4	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	4	4
APRALO	5	4	5	5	5		4	5	5	5	5	5	5	4	5	5	5	5		5	5	5	4	4
AS	5	4	5	5	4	4	5	4	4	4	4	5	5	4	5	5	5	4	4	4	3	4	4	4
BM	4	4	4	4	4	4	4		4	4	3	3	4	4	3	3	3	3	4	4	4	4	4	3
FRG	4	4	5	5	5	4	5	4	4	4	5	5	4	4	5	4	5	5	5	4	5	4	5	5
FO	5	5	5	5	4	5	5	4	5	5	5	5	4	5	5	5	5	5	5	4	5	5	5	4
IIC	4	5	4	5	5	5	5	4	4	4	4	5	5	4	5	5	5	4	5	5	5	5	5	4
ISPCP	4	5	4	5	5	5	5	5	4	4	5	5	5	4	5	5	5	4	5	5	5	5	5	4
NS	5	4	5	5	4	4	5	4	4	4	4	5	4	4	5	5	5	4	4	4	4	4	4	4
RF	4	4	4	4	4	4	4	4	4	4	5	5	4	4	4	2	5	4	4	4	4	4	4	4
ROI	2	2	3	3	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RySG	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5

Key		
Scale	Number	Color
Strongly Agree	5	
Agree	4	
Neutral	3	
Disagree	2	
Strongly Disagree	1	
No Response	-	

NRO Questionnaire

The questionnaire contained **24 questions, one for each principle.**

Respondents expressed their level of agreement through a five-point scale:

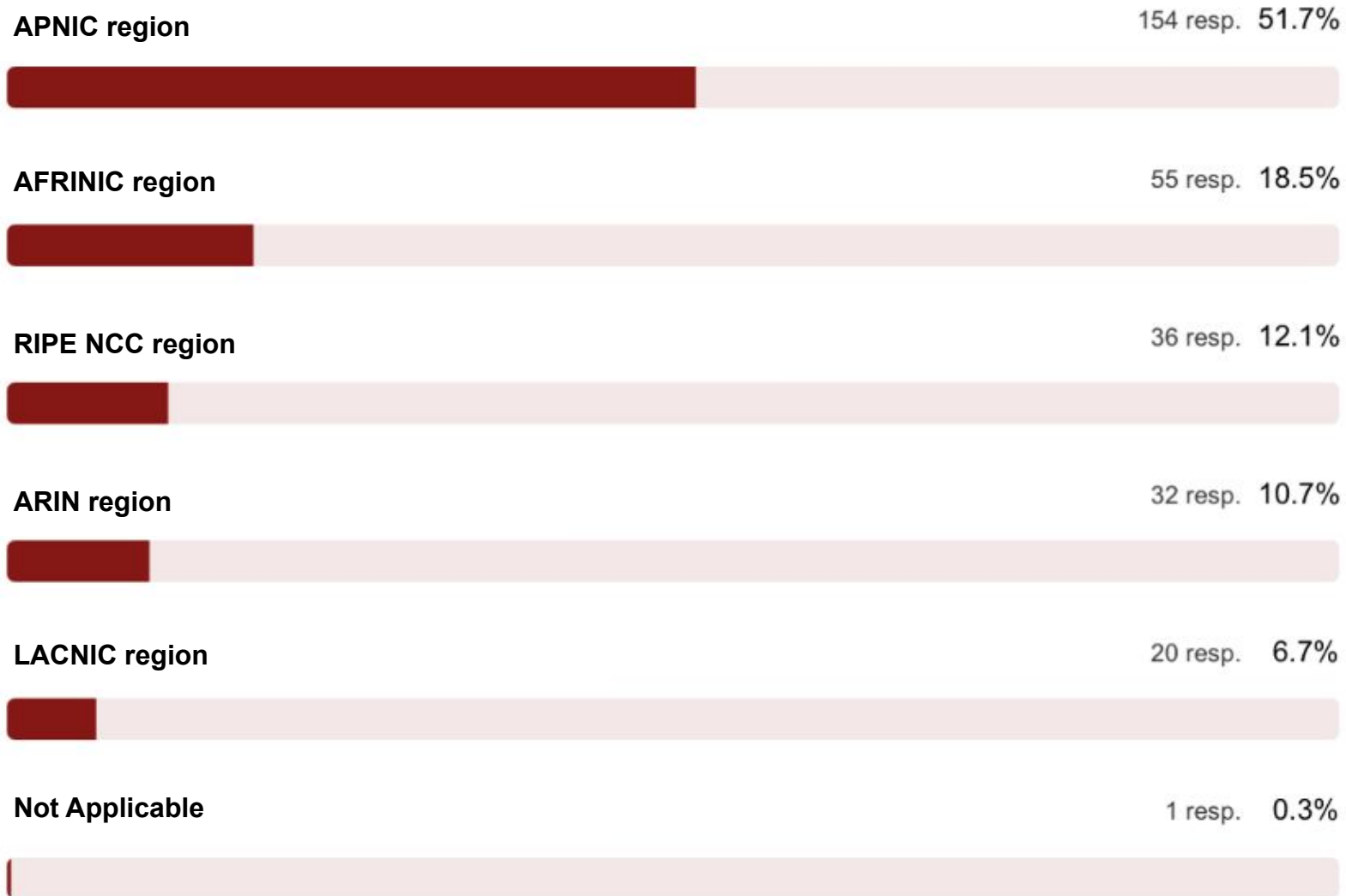
1. Strongly Disagree
2. Disagree
3. Neutral
4. Agree
5. Strongly Agree

Summary Report
published on 24 February 2025

[Download PDF \(3.6 MB\)](#)



Nearly 300 Responses



Next Steps

Next Steps

The ASO Address Council will

- Consider the feedback from the ICANN Public Comment proceeding and the questionnaire of RIR communities.
- Prepare the next phase of its work before another round of consultations with the ICANN and RIR communities.
- Proceed to develop a draft of the next version of ICP-2.

Ultimately, the ASO Address Council will determine whether to recommend the next version of ICP-2 to the ICANN Board for approval.

Discussion

Discussion

1. Did you participate in the NRO questionnaire or ICANN Public Comment proceeding?
2. Do you have any feedback on the draft principles?



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