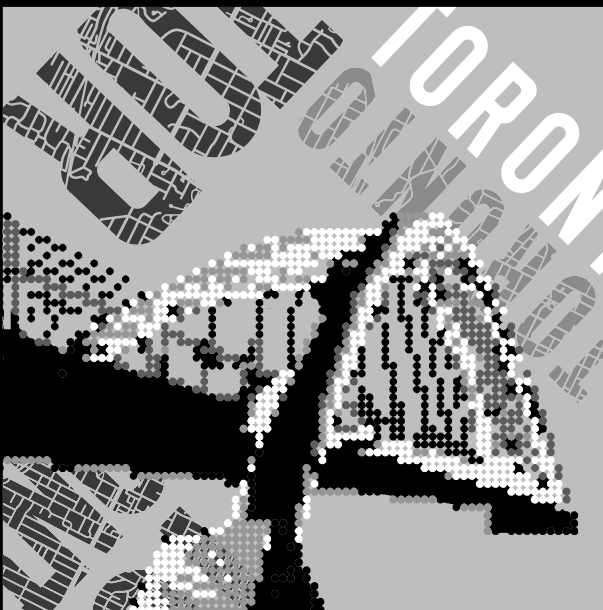
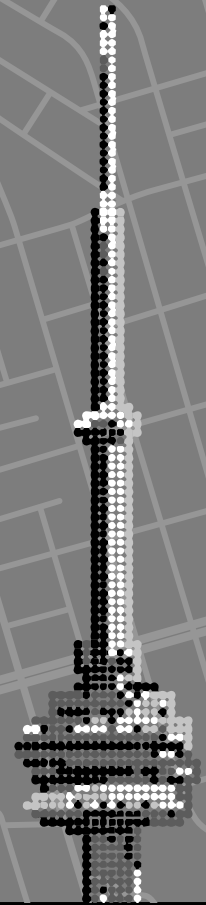
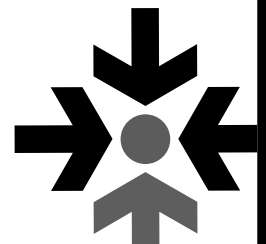


# TOR ONTO



## ARIN 54 DISCUSSION GUIDE





**The American Registry for Internet Numbers, a nonprofit member-based organization, supports the operation of the Internet through the management of Internet number resources throughout its service region; coordinates the development of policies by the community for the management of Internet Protocol number resources; and advances the Internet through informational outreach.**

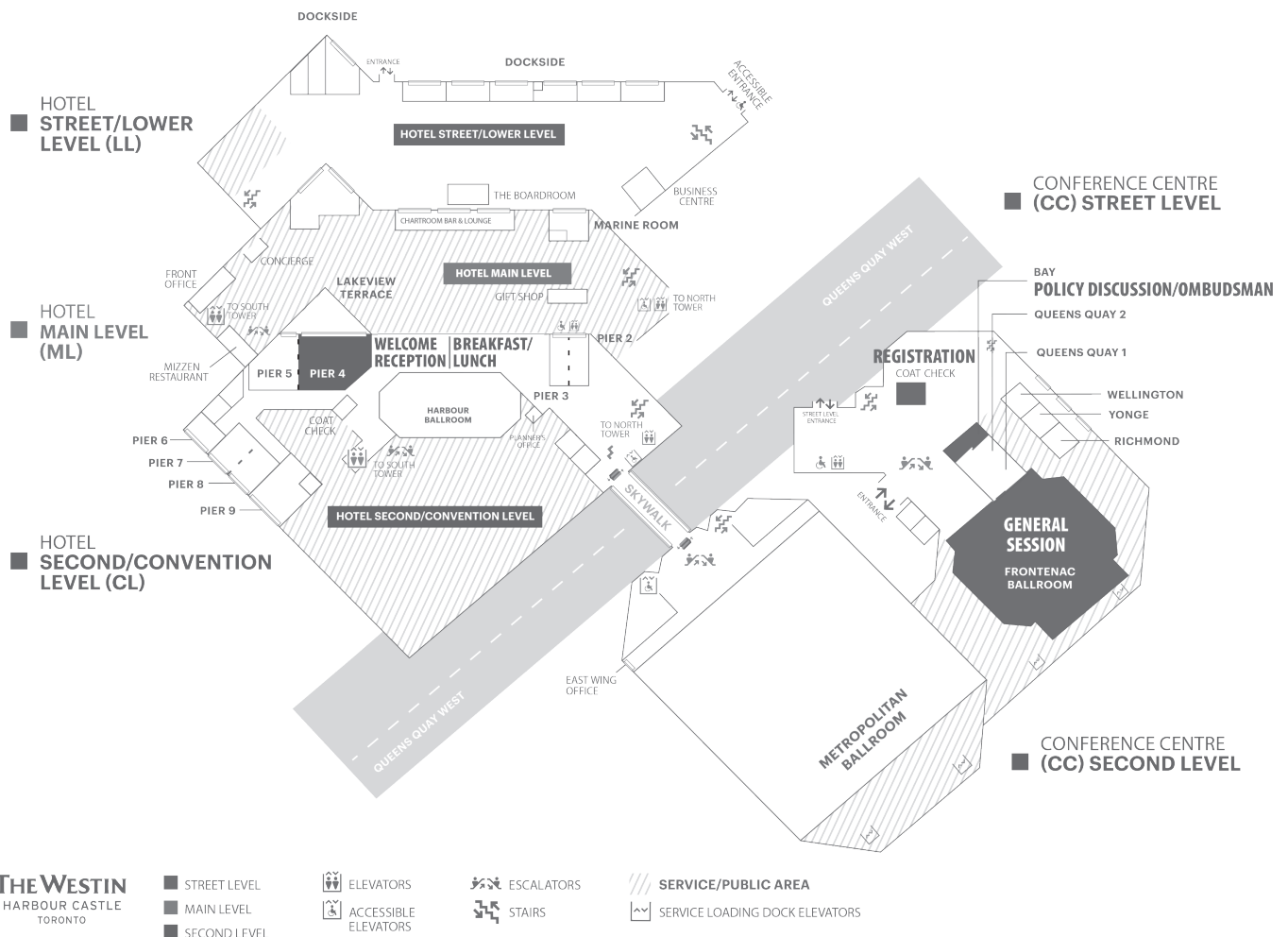
# WELCOME TO THE ARIN 54 PUBLIC POLICY AND MEMBERS MEETING!

Policies in the ARIN region are developed by the Internet community using the open and transparent ARIN Policy Development Process (PDP). The Internet community develops policies via discussion on the ARIN Public Policy Mailing List (PPML), at ARIN Public Policy Consultations (PPCs), and at ARIN Public Policy and Members Meetings. Anyone may participate in the process – ARIN membership is not required.

The ARIN Board of Trustees adopts Recommended Draft Policies forwarded by the ARIN Advisory Council if the Board determines that the PDP has been followed, that support and consensus for policies has been reached among the community, and if the Draft Policies are consistent with ARIN’s Articles of Incorporation, Bylaws, and applicable laws and regulations.

The ARIN Public Policy and Members Meeting is conducted in an orderly manner to understand the sense of the majority, to respect the views of the minority, and to protect the interests of those absent. Accordingly, the flow of the meeting is structured according to a published agenda and participants are expected to follow Meeting Courtesies, Expected Standards of Behavior, and Rules of Discussion.

## ARIN 54 IN THE WESTIN HARBOUR CASTLE



# ARIN 54 AGENDA

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## THURSDAY, 24 OCTOBER

*all listed times are in the Eastern timezone*

TIME	PRESENTATION	SPEAKER
8:00 AM	Breakfast	
9:00 AM	Opening and Announcements	Hollis Kara
9:15 AM	Welcome from ARIN	
9:25 AM	Welcome from ARIN's Board Chair	Bill Sandiford
9:30 AM	NANOG Update	Jonathan Black
9:50 AM	Board of Trustees Report	Bill Sandiford
10:05 AM	Financial Report	Nancy Carter
10:20 AM	Policy Implementation and Experience Report	John Sweeting
10:30 AM	Break	
11:00 AM	AC Report and On-Docket	Kathleen Hunter
11:10 AM	Policy Session 1	Advisory Council
12:20 PM	Lunch	
1:30 PM	Election Intro	John Sweeting
1:40 PM	Candidate Speeches	
3:00 PM	Break	
3:30 PM	Policy Session 2	Advisory Council
4:45 PM	Open Microphone	Bill Sandiford
5:00 PM	Closing Announcements and Adjournment	Hollis Kara
7:00 PM	Social Event	

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## FRIDAY, OCTOBER 25

*all listed times are in the Eastern timezone*

TIME	PRESENTATION	SPEAKER
8:00 AM	Breakfast	
9:00 AM	Opening and Announcements	Hollis Kara
9:05 AM	NRO EC Update	
9:20 AM	ASO AC Update	Kevin Blumberg
9:35 AM	IANA Update	Kim Davies
10:05 AM	Operations Update	Richard Jimmerson
10:20 AM	Break	
10:50 AM	Engineering Update	Mark Kosters
11:10 AM	Routing Security Update	Brad Gorman
11:30 AM	ARIN Services Report Card	Joe Westover
11:45 AM	Open Microphone	Bill Sandiford
11:55 AM	Closing Announcements and Adjournment	Hollis Kara

# WHAT'S INSIDE

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## FOR DISCUSSION

This document contains the Recommended Draft Policies and Draft Policies on the agenda for this Public Policy and Members Meeting.

Draft Policies are works in progress and are included in this document to assist with discussion. This text is subject to change, and the most up-to-date text is always available on the ARIN website at: <https://www.arin.net/participate/policy/drafts/>

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# ARIN PARTICIPANTS EXPECTED STANDARDS OF BEHAVIOR

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Those who take part in any ARIN meeting, conference or event including but not limited to Public Policy and Member Meetings, ARIN on the Road, ARIN in the Caribbean, etc., and related activities (including but not limited to ARIN staff, members of the Board of Trustees, Advisory Council [“AC”], Address Supporting Organization Address Council [“ASO AC”], and ARIN meeting attendees) must:

- Treat each other with civility, courtesy and respect (both face-to-face and online), regardless of the sex, race, color, national origin, marital status, age, religion, creed, disability, pregnancy, sexual orientation, gender identity, occupation, line of business, or any other classification protected by law, or policy position of other participants.
- Make reasonable and informed comments when participating in policy development and decision-making discussions and processes.
- Listen respectfully to the views of all stakeholders when considering policy issues.
- Those who take part in the ARIN Policy Development Process must take responsibility for the success of the model by trying to build consensus with other participants and find solutions to issues.
- Act fairly and in good faith with other participants in the ARIN process.
- Act in accordance with ARIN’s Policy Development Process when participating in ARIN public policy events. The ARIN model is based on a bottom-up, consensus-driven approach to policy development.
- Refrain from inappropriate photography or recording of individuals without their knowledge or permission.
- Follow the rules and regulations of the event venue or hotel.

Further, those who participate in ARIN events and related activities must foster an environment that is free from any form of discrimination and conduct that is harassing, coercive, or disruptive. ARIN prohibits harassment in any form – verbal, physical or visual – and will not tolerate discriminatory harassment or inappropriate conduct of a harassing nature directed against any individual on the basis of sex, race, color, national origin, marital status, age, religion, creed, disability, pregnancy, sexual orientation, gender identity, occupation, line of business, or any other classification protected by law, or policy position of other participants.

Sexual harassment is a form of gender discrimination that is unlawful and violates this policy. For purposes of this policy, sexual harassment is defined generally to include unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature when such conduct is made a condition of an individual’s employment or participation, used as the basis for decisions,

or has the effect of substantially interfering with an individual’s performance or creating a hostile environment. Sexually harassing conduct, as well as inappropriate conduct of a harassing nature, is prohibited. Examples of prohibited conduct include, but are not limited to: (1) sexually-oriented kidding, teasing, gestures or jokes; (2) offensive or unwelcome sexual flirtations, advances, or propositions; (3) verbal abuse of a sexual nature; (4) graphic or verbal comments, epithets, or slurs about an individual’s body; (5) sexually degrading words used to describe an individual; (6) the display or transmission (e.g., e-mail, text or social media) of sexually suggestive or sexually explicit materials (such as magazines, videos, pictures, cartoons or posters); (7) inquiries into another individual’s sexual experiences and activities or discussion of one’s own sexual experiences and activities; and (8) unwelcome intentional touching of another person or other unwanted intentional physical conduct.

ARIN is committed to supporting a productive and safe environment for all participants at ARIN events. Any ARIN participant who feels that another participant has violated these standards is asked to immediately notify any of the following: ARIN’s President and CEO, Chief Human Resources Officer, or General Counsel; the Chair of ARIN’s Board; or the Ombudsperson. Contact information for these individuals can be found here. Any ARIN participant who believes there has been a violation of this policy on the ARIN mailing list should report it via the ARIN Mailing List Acceptable Use Policy.

All allegations of violations that are reported will be reviewed as promptly as possible and will be treated with as much confidentiality as possible, consistent with the need to conduct a thorough review and investigation if necessary.

ARIN prohibits retaliation against any ARIN community member or participant who, in good faith, alleges a violation of these standards, even if sufficient evidence is not found to substantiate the allegation. ARIN also prohibits retaliation against any ARIN participant or community member participating in a review or an investigation of an allegation. An ARIN community member or participant will not be penalized in any way for reporting a potential violation of these standards.

Violations of these standards may result in disciplinary action without warning, which correlates with the nature and gravity of the violation. Discipline can include but is not limited to:

- A reprimand.
- Removal from ARIN-related activities and/or initiatives.
- Any other measure deemed necessary to maintain a productive and safe working environment for all participants.

# RULES OF DISCUSSION

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The Chair moderates discussions of formal draft policies so that all can speak and all can be heard. Accordingly, every person who participates in a Public Policy Consultation is asked to follow these simple rules and customs:

1. All persons have equal rights, privileges, and obligations.
2. Full and free discussion of all draft policies is the right of every person participating in the meeting.
3. Only one policy is considered at a time.
4. Persons should not speak in the discussion until they have moved to a designated speaker's position and have been recognized by the Chair and granted the floor.
5. Every time a speaker is recognized by the Moderator, speakers should do the following:
  - State their name.
  - State intent to support or not support the policy under discussion.
6. No person should speak a second time on the same topic if anyone who has not spoken on that topic wishes to do so.
7. No person should speak for more than three minutes unless the Moderator gives consent.
8. Speakers should direct all remarks to the Moderator. They should not debate with other speakers or otherwise attack or question the motives of other speakers.
9. While the discussion is in progress, speakers may suggest amendments or other secondary proposals to the Moderator, who will see them acted on accordingly.
10. Only the Moderator may call for a poll to gain a sense of the participants regarding the policy under discussion, any part of that policy, any proposed amendment to that policy, or any secondary proposal. The Chair will state all questions before polling responses mean.



# RECOMMENDED DRAFT POLICY ARIN-2022-12

## Direct Assignment Language Update

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[https://www.arin.net/participate/policy/drafts/2022\\_12/](https://www.arin.net/participate/policy/drafts/2022_12/)

**STATUS:** Under Discussion

**SHEPHERDS:** Doug Camin, Leif Sawyer

### **AC ASSESSMENT OF CONFORMANCE WITH THE PRINCIPLES OF INTERNET NUMBER RESOURCE POLICY:**

Draft Policy ARIN-2022-12: Direct Assignment Language Update, conforms to the principles of the ARIN Policy Development Process. This draft policy is found to be fair, impartial, and technically sound. Based on community feedback and AC discussion we motion to move ARIN 2022-12: Direct Assignment Language Update, to Recommended Draft. If adopted this policy aims to update the language of Number Policy Resource Manual to remove references to the deprecated term “assignment” and use the term “allocation,” which conforms with current ARIN business practices.

### ***Current Text (20 March 2024)***

#### **PROBLEM STATEMENT:**

As a result of ARIN’s fee harmonization direct assignments are no longer being utilized within ARIN databases therefore language around that has been deprecated and should be modernized and aligned with current ARIN practices.

#### **POLICY STATEMENT:**

Section 2.5:

Update definition of Allocation and Assignment to reflect current practice.

FROM:

“Allocation - IP addresses delegated to an organization directly by ARIN for the purpose of subsequent distribution by the recipient organization to other parties.

Assignment - IP addresses delegated to an organization directly by ARIN for the exclusive use of the recipient organization.”

TO:

“Allocation - A block of IP addresses issued from ARIN directly to customers. These IP addresses may be further reassigned or reallocated accordingly.

Assignment - This term is no longer used to describe IP addresses issued by ARIN.

Section 2.6:

Change “receiving assignments of” to “issued.”

FROM:

“2.6 End User

An end-user is an organization receiving assignments of IP addresses exclusively for use in its operational

networks.”

TO:

“2.6 End User

An end-user is an organization issued IP addresses exclusively for use in its operational networks.”

Section 2.8

Change “allocated or assigned” to “issued.”

FROM:

“2.8. Registration Services Agreement (RSA)

Number resources allocated or assigned by ARIN under these policies are subject to a contractual agreement between ARIN and the resource holder. Throughout this document, any and all forms of this agreement, past or future, are simply referred to as the Registration Services Agreement (RSA).”

TO:

“2.8. Registration Services Agreement (RSA)

Internet number resources issued by ARIN under these policies are subject to a contractual agreement between ARIN and the resource holder. Throughout this document, any and all forms of this agreement, past or future, are simply referred to as the Registration Services Agreement (RSA).”

Section 3.6.3:

Change paragraph 1 text

FROM: “This policy applies to every Organization that has a direct assignment, direct allocation, or AS number from ARIN”

TO: “This policy applies to every Organization that has Internet number resources issued by ARIN”

RESULT: “This policy applies to every Organization that has Internet number resources issued by ARIN (or one of its predecessor registries) or a reallocation from an upstream ISP. This includes but is not limited to upstream ISPs and their downstream ISP customers (as defined by NRPM 2.5 and 2.6), but not reassignments made to their downstream end user customers.”

Section 4.2.2:

Replace text as follows

FROM: “All ISP organizations without direct assignments or allocations from ARIN qualify for an initial allocation of up to a /22, subject to ARIN’s minimum allocation size.

All ISP organizations without direct allocations, direct assignments, re-allocations or reassignments automatically qualify for a /24. These organizations are exempt from requirements of showing the efficient utilization of previously held IPv4 space. These organizations may qualify for a larger than a /24 by documenting how the requested allocation will be utilized within the request size specified in 4.2.4.3.

ISPs holding re-allocations and/or reassignments must show the efficient utilization of their resources consistent with the requirements in sections 4.2.3 and 4.2.4.”

TO: “All ISP organizations without any IPv4 addresses from ARIN automatically qualify for an initial allocation of a

/24. ISPs providing a 24-month utilization plan for the request size specified may receive up to a /22. ISPs holding re-allocations and/or reassignments must show the efficient utilization of their resources consistent with the requirements in sections 4.2.3 and 4.2.4."

Section 4.3.2:

Change paragraph 1 text

FROM: "End-user organizations without direct assignments or allocations from ARIN qualify for an initial assignment of ARIN's minimum assignment size."

TO: "End-user organizations without an IPv4 allocation from ARIN qualify for an initial allocation of ARIN's minimum allocation size."

Section 6.5.8:

Change section title

FROM: "Direct Assignments from ARIN to End-user Organizations"

TO: "End-user Allocations"

Section 8.5.4:

Change section text

FROM: "Organizations without direct assignments or allocations from ARIN qualify for transfer of an initial IPv4 block of ARIN's minimum transfer size."

TO: "Organizations without an IPv4 allocation from ARIN qualify for transfer of an initial IPv4 allocation of ARIN's minimum transfer size."

Section 8.5.6:

Change section text

FROM: "Organizations with direct assignments or allocations from ARIN must have efficiently utilized at least 50% of their cumulative IPv4 address blocks in order to receive additional IPv4 addresses. This includes all IPv4 space reassigned to their customers."

TO: "Organizations with an IPv4 allocation from ARIN must have efficiently utilized at least 50% of their cumulative IPv4 address blocks in order to receive additional IPv4 addresses. This includes all IPv4 space reallocated and/or reassigned to their customers."

**TIMETABLE FOR IMPLEMENTATION:** Three months

## ***Staff and Legal Review (15 March 2024)***

### **STAFF UNDERSTANDING**

We understand that the intent of this Recommended Draft Policy is to update the definition of the terms "Allocation" and "Assignment" in section 2.5 of the Number Resource Policy Manual. Staff recommends that proposed definitions be changed to the following to be more precise and clearer as to the meaning of these terms in reference to ARIN practice and the policies in the NRPM .

In Section 2.5, update definition of Allocation and Assignment to reflect current practice.

Allocation – the term allocation refers to a block of IP addresses issued from ARIN directly to customers. These IP addresses may be further reassigned or reallocated accordingly.

Assignment – this term is no longer used to describe IP addresses issued by ARIN.

Staff suggests that consistent use of the term Allocation when the definition of Allocation is intended, instead of synonyms or other forms of the word, such as “allocated,” will add clarity and precision to the text. For similar reasons, staff recommends eventually making these updates to the entire NRPM.

**IMPLEMENTABLE AS WRITTEN?** Yes

**IMPACT ON ARIN REGISTRY OPERATIONS AND SERVICES:** None

#### **LEGAL REVIEW**

There is no legal objection to proposed language, but as is the first time that the terminology has been reviewed in many years, Legal notes that use of the term “issued” rather than “allocated or assigned” in Section 2.8 would make the language consistent with the terminology used in the Registration Services Agreement (RSA).

**IMPLEMENTATION TIMEFRAME ESTIMATE:** Three months

#### **IMPLEMENTATION REQUIREMENTS:**

- Staff training
- Updates to public documentation

**PROPOSAL/DRAFT POLICY TEXT ASSESSED:** 1 March 2024

# RECOMMENDED DRAFT POLICY ARIN-2023-7

## Clarification of NRPM Sections 4.5 and 6.11 Multiple Discrete Networks

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[https://www.arin.net/participate/policy/drafts/2023\\_7/](https://www.arin.net/participate/policy/drafts/2023_7/)

**STATUS:** Under Discussion

**SHEPHERDS:** Chris Woodfield, Elizabeth Goodson

### ***Current Text (20 August 2023)***

#### **AC ASSESSMENT OF CONFORMANCE WITH THE PRINCIPLES OF INTERNET NUMBER RESOURCE POLICY:**

Based on community feedback and AC discussion, we have promoted ARIN-2023-7: Clarification of NRPM Sections 4.5 and 6.11 Multiple Discrete Networks to Recommended Draft Policy. This Draft Policy is fair, impartial, and technically sound; it will add clarity and readability to the NRPM sections being updated by this proposal.

#### **PROBLEM STATEMENT:**

Section 4.5 and 6.11 of the NRPM does not adhere to the style guide used by the remainder of the document. The numbered lists in these two sections also detracts from the readability and usability of the NRPM.

#### **POLICY STATEMENT:**

Current:

##### 4.5 Multiple Discrete Networks

Organizations with multiple discrete networks desiring to request new or additional address space under a single Organization ID must meet the following criteria:

1. The organization shall be a single entity and not a consortium of smaller independent entities.
2. The organization must have compelling criteria for creating discrete networks. Examples of a discrete network might include:
  3. Regulatory restrictions for data transmission,
  4. Geographic distance and diversity between networks,
  5. Autonomous multihomed discrete networks.
6. The organization must keep detailed records on how it has allocated space to each location, including the date of each allocation.
7. When applying for additional internet address registrations from ARIN, the organization must demonstrate utilization greater than 50% of both the last block allocated and the aggregate sum of all blocks allocated from ARIN to that organization. If an organization is unable to satisfy this 50% minimum utilization criteria, the organization may alternatively qualify for additional internet address registrations by having all unallocated blocks of addresses smaller than ARIN's current minimum allocation size.
8. The organization may not allocate additional address space to a location until each of that location's address blocks are 80% utilized.
9. The organization should notify ARIN at the time of the request their desire to apply this policy to their account.

10. Upon verification that the organization has shown evidence of deployment of the new discrete network site, the new network(s) shall be allocated the minimum allocation size under section 4.2.1.5.

Proposed:

Replace Section 4.5 in its entirety with the following text:

#### 4.5 Multiple Discrete Networks

Organizations with multiple discrete networks desiring to request a new or additional IP address space allocation under a single Organization ID must meet the following criteria:

1. The organization must be a single entity and not a consortium of smaller independent entities.
2. The organization must have compelling criteria for creating discrete networks. Examples of situations which may represent compelling criteria for multiple discrete networks might include:
  - Regulatory restrictions for data transmission;
  - Geographic distance and diversity between networks; or
  - Autonomous multihomed discrete networks.
3. The organization must keep detailed records on how it has allocated IP addresses to each location, including the date of each allocation.
4. When applying for additional IP address allocations from ARIN, the organization must demonstrate utilization greater than 50% of both the last IP addresses allocated and the aggregate sum of all IP addresses allocated from ARIN to that organization. If an organization is unable to satisfy this 50% minimum utilization criteria, the organization may alternatively qualify for additional IP address allocations by having all unallocated IP address blocks smaller than ARIN's current minimum allocation size.
5. The organization must not allocate additional IP address space to a location until each of that location's IP address allocations are 80% utilized.

The organization must notify ARIN at the time of the request of their desire to apply this policy to their account.

Current:

#### 6.11. IPv6 Multiple Discrete Networks

Organizations with multiple discrete IPv6 networks desiring to request new or additional address space under a single Organization ID must meet the following criteria:

1. The organization shall be a single entity and not a consortium of smaller independent entities.
2. The organization must have compelling criteria for creating discrete networks. Examples of a discrete network might include:
  - Regulatory restrictions for data transmission,
  - Geographic distance and diversity between networks,
  - Autonomous multihomed discrete networks.
3. The organization must keep detailed records on how it has allocated space to each location, including the date of each allocation.
4. The organization should notify ARIN at the time of the request their desire to apply this policy to their account.

5. Requests for additional space:

6. Organization must specify on the application which discrete network(s) the request applies to

7. Each network will be judged against the existing utilization criteria specified in 6.5.2 and 6.5.3 as if it were a separate organization, rather than collectively as would be done for requests outside of this policy.

Proposed:

#### 6.11. IPv6 Multiple Discrete Networks

Organizations with multiple discrete IPv6 networks desiring to request new or additional IPv6 address allocations under a single Organization ID must meet the following criteria:

1. The organization must be a single entity and not a consortium of smaller independent entities.
2. The organization must have compelling criteria for creating discrete networks. Examples of situations which may represent compelling criteria for multiple discrete networks might include:
  - Regulatory restrictions for data transmission;
  - Geographic distance and diversity between networks; or
  - Autonomous multihomed discrete networks.
3. The organization must keep detailed records on how it has allocated IPv6 addresses to each location, including the date of each IPv6 address allocation.
4. When an organization is requesting additional IPv6 address allocations under this policy, the organization must specify on the application which discrete network(s) the IPv6 address request applies to. A request for additional space will be judged against the existing utilization criteria specified in 6.5.2 and 6.5.3 as if it were a separate organization, rather than collectively as would be done for requests outside of this policy.

The organization must notify ARIN at the time of the request their desire to apply this policy to their account.

#### **COMMENTS:**

The working group considered entering 3 separate proposals but decided that the parts are all related enough to combine into one proposal. Section 2.18 is the proposed section number for Organizational Identifier (org ID) definition due to recently adopted ARIN-2022-11 taking section 2.17.

Timetable for Implementation: Immediate

### ***Staff and Legal Review (30 July 2024)***

#### **STAFF UNDERSTANDING:**

This policy corrects and reorganizes the numbered bullets in section 4.5 and 6.11 for clarity. Additional edits were made to include "Allocation", reflecting ARIN's deprecation of "Assignment".

ARIN staff suggests the following editorial changes for consistency:

Section 4.5 item 4 change:

- "Internet Resource allocations" to "IP address allocations"; and

- “internet IP allocations” to “IP address allocations”

Section 6.11 item 4 change:

- “additional space” to “additional IPv6 address allocations”

Section 4.5 and 6.11, item 2 example bullets:

We recommend ending the second bullet in each section with “; or”.

**IMPLEMENTABLE AS WRITTEN?:** Yes

**IMPACT ON ARIN REGISTRY OPERATIONS AND SERVICES:** None

**LEGAL REVIEW:** No material legal issue

**IMPLEMENTATION TIMEFRAME ESTIMATE:** 3 months

**IMPLEMENTATION REQUIREMENTS:**

- Staff training
- Updates to public documentation
- Updates to internal procedures and guidelines

**PROPOSAL/DRAFT POLICY TEXT ASSESSED:** 20 June 2024



# RECOMMENDED DRAFT POLICY ARIN-2024-1

## Definition of Organization ID/Org ID

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[https://www.arin.net/participate/policy/drafts/2024\\_1/](https://www.arin.net/participate/policy/drafts/2024_1/)

**STATUS:** Under Discussion

**SHEPHERDS:** Gus Reese, Gerry George

### ***Current Text (7 February 2024)***

#### **AC ASSESSMENT OF CONFORMANCE WITH THE PRINCIPLES OF INTERNET NUMBER RESOURCE POLICY:**

Recommended Draft Policy ARIN-2024-1 conforms to the principles of the ARIN Policy Development Process. This policy, if adopted, will add clarity to the NRPM by providing a clear definition of an Organization Identifier as section 2.18. It is fair, impartial, technically sound and has received support from the community.

#### **PROBLEM STATEMENT:**

During work on a related policy proposal, the NRPM Working Group determined that a definition of Organization Identifier (Org ID) should be included in the NRPM to add clarity to the term and unify NRPM references to match the use of the term in other ARIN publications such as ARIN online.

#### **POLICY STATEMENT:**

Current: None

Proposed:

Section 2.18. Organization Identifier (Org ID)

An Organization Identifier (Org ID) is an identifier assigned to resource holders in the ARIN registry.

#### **COMMENTS:**

This definition had previously been included in an earlier policy proposal (ARIN-2023-7), but community feedback recommendations on that proposal showed a preference for adding the definition separately from that proposal. As such the definition is now being proposed as a standalone proposal, and the language will be removed from the current ARIN-2023-7 proposal, allowing the two sections of that proposal to be evaluated separately.

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

### ***Staff and Legal Review (1 May 2024)***

**STAFF UNDERSTANDING:** This Draft Policy intends to add a clear definition of Organization Identifier (Org ID) to the Number Resource Policy Manual (NRPM). The policy text is clear and understandable.

**IMPLEMENTABLE AS WRITTEN?:** Yes

**IMPACT ON ARIN REGISTRY OPERATIONS AND SERVICES:** None

**LEGAL REVIEW:** No material legal issue

**IMPLEMENTATION TIMEFRAME ESTIMATE:** 3 months

#### **IMPLEMENTATION REQUIREMENTS:**

Updates to public documentation

**PROPOSAL/DRAFT POLICY TEXT ASSESSED:** 7 February 2024

# RECOMMENDED DRAFT POLICY ARIN-2024-2

## WHOIS Data Requirements Policy for Non-Personal Information

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[https://www.arin.net/participate/policy/drafts/2024\\_2/](https://www.arin.net/participate/policy/drafts/2024_2/)

**STATUS:** Under Discussion

**SHEPHERDS:** Gus Reese, Gerry George

### ***Current Text (26 August 2024)***

#### **AC ASSESSMENT OF CONFORMANCE WITH THE PRINCIPLES OF INTERNET NUMBER RESOURCE POLICY:**

Following a review of community feedback, staff and legal recommendations, and AC discussions, Draft Policy ARIN-2024-2: Whois Data Requirements Policy for Non-Personal Information, was found to conform to the principles of the ARIN Policy Development Process. Based on being fair, impartial, and technically sound, this Draft Policy was moved to Recommended Draft state. If adopted by the board, it would further clarify what information is collected and published via ARIN's public Whois service.

#### **PROBLEM STATEMENT:**

ARIN's mission includes maintaining and distributing registration information about who holds Internet number resources (Internet Protocol (IP) addresses and Autonomous System Numbers (ASNs)) in a public database referred to as Whois. Whois provides network operators, technical troubleshooters, law enforcement, researchers, and other interested parties with information about which organization administers specific Internet number resources. Distributing this non-personal information is very much in the public interest of proper functioning of the Internet.

While ARIN continues to recognize the ongoing relevancy and importance for publicly available Whois information in its control, ARIN must also take stock of evolving regional developments pertaining to data privacy and the cross-border sharing of personally identifying information (PII) which have led to or could lead to redactions among similar Whois resources outside of ARIN's purview.

In light of such developments, it is important for ARIN to codify its Whois data requirements and disclosure practices in a manner that is both a) respectful of privacy rights pertaining to PII and b) cognizant of the value non-PII data plays in the security of the Internet and the protection of the general public.

Currently there are no ARIN policies that clearly define what organization and associated point of contact information must be provided and registered in the public Whois. This proposal attempts only to clarify and codify ARIN's existing practice regarding organization and contact data collection and display in Whois.

#### **POLICY STATEMENT:**

##### 2.12 Organizational Information

Modify 2.12 to read:

Information needed to uniquely identify an Organization.

##### 3.8 Directory Service Records

Modify 3.8.1 to include the following sentence:

All organization registration records will be visible in the public Whois. Organizations that are registered as D/B/A may choose to show the Business name rather than the registered party's name.

## Add 3.8.2

### 3.8.2 Required Organization Record Information

The following information must be provided to ARIN to register an organization record:

- Org Name
- Org Postal Address including country

### Add 3.8.3 Point of Contact Record Creation

An organization must register designated Points of Contact to manage its organization and resource registration records to include Administrative, Technical, NOC and Abuse contacts. These Points of Contact shall be representatives of the organization and any information provided to ARIN shall be that contact's associated organizational information and not personal data.

Point of Contact registration records will generally be visible in the public Whois. Refer to NRPM 3.3 and NRPM 4.2.3.7.3.2 for exceptions to this general rule.

### Add 3.8.4 Required Point of Contact Record Information.

The following information must be provided to ARIN to register a Point of Contact:

- Contact Name (this can be an individual representative of the company or a Role POC)
- Contact's Company Name (Required for Role POC)
- Contact's Postal Address including country
- Contact's Organization Phone Number (optional)
- Contact's Organization E-Mail Address

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

## ***Staff and Legal Review (29 July 2024)***

### **STAFF UNDERSTANDING:**

The last sentence of the problem statement states that this proposal intends to clarify and codify ARIN's existing practices. However, the policy text as written would result in modification to some of ARIN's existing business practices. Staff recommends the following changes to be made to ensure that this policy is consistent with the problem statement and current ARIN business practices.

#### Section 2.12 Organizational Information

We recommend removing the last sentence, "Differing uses within ARIN online, L/RSA, and the NRPM could have different requirements", as this does not add to policy clarity.

#### Section 3.8.1 Organization Record Creation

Current ARIN business practice is to allow a D/B/A name to be published rather than the organization's legal name. Recommend that this Draft Policy be modified to allow for this business practice to continue.

#### Section 3.8.2 Required Organization Record Information

Under the Org Address bullet point, we recommend changing "Org Address" to "Org Postal Address" and removing the lines with the address information detail. A third bullet point could be added to specify identification of the Org Country.

### Section 3.8.3 Point of Contact Record Creation

This section states, "An organization may register designated Points of Contact..." The term "may" would imply that the registration of a Point of Contact is optional, which would be a change to current practice. ARIN recommends changing "may" in the policy text to "must".

Current text in this Draft Policy seems to allow an Organization Record to be created without Points of Contact listed. ARIN currently requires that at least one contact of each of the following types - Admin, Tech, and Abuse Point of Contact - be designated on an Organization Record. There are three optional POC types (NOC, Routing, and DNS) that may be created if desired.

### Section 3.8.4 Required Point of Contact Record Information

We recommend removing "organization or resource" from the first line and changing "an" to "a".

Contact Name: Current business practice refers to these as Role POCs. We recommend changing "role account" to "Role Point of Contact".

Company Name is not listed as required information to register a Point of Contact record. ARIN currently requires Company Name for Role POCs. Staff recommends adding the following to the list:

- Contact's Company Name (required for Role POC)

Under the Contact's Address bullet point, recommend changing "Contact's Address" to "Contact Postal Address" and removing the lines with the address information detail. A fifth bullet point could be added to specify identification of the Contact Country.

In addition, in alignment with ARIN's current business processes, Contact's Organization Phone Number should be identified as optional as not all organizations have a business phone number.

**IMPLEMENTABLE AS WRITTEN?:** Yes

**IMPACT ON ARIN REGISTRY OPERATIONS AND SERVICES:** None

**LEGAL REVIEW:** While there are no material legal issues with the substance of the proposed policy, we note that the problem statement indicates an effort to help clarify ARIN's handling of personally identifiable information (PII). ARIN maintains its Privacy Policy that states how ARIN handles and manages PII, and that Privacy Policy can be viewed on ARIN's website at <https://www.arin.net/about/privacy/>.

**IMPLEMENTATION TIMEFRAME ESTIMATE:** 3 months

#### **IMPLEMENTATION REQUIREMENTS:**

- Staff training
- Updates to public documentation
- Updates to internal procedures and guidelines

**PROPOSAL/DRAFT POLICY TEXT ASSESSED:** 25 June 2024

# RECOMMENDED DRAFT POLICY ARIN-2024-9

## Remove Outdated Carveout for Community Networks

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[https://www.arin.net/participate/policy/drafts/2024\\_9/](https://www.arin.net/participate/policy/drafts/2024_9/)

**STATUS:** Under Discussion

**SHEPHERDS:** Alison Wood, Alicia Trotman

### *Current Text (23 June 2024)*

#### **AC ASSESSMENT OF CONFORMANCE WITH THE PRINCIPLES OF INTERNET NUMBER RESOURCE POLICY:**

ARIN policy 2024-9 “Remove Outdated Carveout for Community Networks” is fair and impartial, technically sound and has the support of the community to move to recommended status. The policy, if adopted, will retire sections 2.11 and 6.5.9 regarding Community Networks from the NRPM as there is no longer any advantage to obtaining space as a community network, and qualifying for community space is in fact more difficult than without the community requirements.

#### **PROBLEM STATEMENT:**

Sections 2.11 and 6.5.9 define Community Networks, and provide special dispensation for Community Networks to receive only a /40 of IPv6 space. When these sections were last materially updated in 2017 (ARIN-2017-8), the smallest allowed allocation to a normal ARIN LIR was a /36, so the Community Networks sections still provided value. In 2020 (ARIN-2020-3) however, the NRPM was amended such that any LIR may request to receive only a /40 for any reason. As such, the carveout for Community Networks to receive a /40 is no longer necessary, and potentially confusing.

#### **POLICY STATEMENT:**

Retire Sections 2.11 and 6.5.9

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

### *Staff and Legal Review (15 September 2024)*

#### **STAFF UNDERSTANDING:**

This policy intends to remove an outdated and unused policy specific to one very narrow segment of potential users. While the qualification requirements for Community Networks (6.5.9) differ from those outlined in the Initial Allocations and Subsequent Allocations sections (6.5.2.2 and 6.5.3), staff does not expect that this change would affect any potential Community Network.

Section 6.5.9 accommodates the anticipated tighter budgets of Community Networks by allowing a smaller allocation of a /40. However, section 6.5.2.2 also allows for a /40 allocation, so the same budgetary aide is being realized for smaller network operators, including Community Networks.

Additionally, section 6.5.9.1 requires community networks to demonstrate they meet the definition outlined in section 2.11. This may involve providing documentation, notarized affidavits, or other evidence.

In contrast, and paraphrasing, section 6.5.2.2 allows applicants to qualify by:

- Having, or are able to qualify for IPv4 under current policy

- Being, or committing to becoming, multihomed for IPv6
- Providing technical justification indicating why the allocation necessary

In staff's experience, organizations can generally meet the full text of the IPv6 requirements with relative ease under the first or second criteria. Since there is currently no requirement for community network operators to apply under the Community Networks policy, staff believes that removing this unused and potentially confusing policy may benefit prospective community network operators.

**IMPLEMENTABLE AS WRITTEN?:** Yes

**IMPACT ON ARIN REGISTRY OPERATIONS AND SERVICES:** None

**LEGAL REVIEW:** No material legal issue

**IMPLEMENTATION TIMEFRAME ESTIMATE:** 3 months

**IMPLEMENTATION REQUIREMENTS:**

- Staff training
- Updates to public documentation
- Updates to internal procedures and guidelines

**PROPOSAL/DRAFT POLICY TEXT ASSESSED:** 23 July 2024

# DRAFT POLICY ARIN-2023-8

## Reduce 4.1.8 Maximum Allocation

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[https://www.arin.net/participate/policy/drafts/2023\\_8/](https://www.arin.net/participate/policy/drafts/2023_8/)

**STATUS:** Under Discussion

**SHEPHERDS:** Gerry George, Brian Jones

### ***Current Text (30 September 2024)***

#### **PROBLEM STATEMENT:**

4.1.8 waiting times are too long, making justifications untimely by the time a request is met. New entrants to the waiting list are expected to wait three years for their need to be met under current policy, with a waiting list of around 700 at this point. Data indicates that reducing the current /22 maximum further to a /24 would significantly reduce this waiting period, and further tightening the requirements by replacing the /20 recipient maximum holdings with a /24, and preventing multiple visits to the waiting list queue.

#### **POLICY STATEMENT:**

##### 4.1.8. ARIN Waitlist

ARIN will only issue future IPv4 assignments/allocations (excluding 4.4 and 4.10 space) from the ARIN Waitlist. The maximum size aggregate that an organization may qualify for is a /24.

Organizations which ever held any IPv4 space other than special use space received under section 4.4 or 4.10 are not eligible to apply.

Address space distributed from the waitlist will not be eligible for transfer, with the exception of Section 8.2 transfers, for a period of 60 months. This policy will be applied to all future distributions from the waitlist to include those currently listed. Qualified requesters will also be advised of the availability of the transfer mechanism in section 8.3 as an alternative mechanism to obtain IPv4 addresses.

Waiting list recipients must demonstrate the need for a /24 on an operating network.

This policy will apply to waitlist requests received following the implementation of this policy. Waitlist requests received prior to the implementation of this policy will not be affected.

In section 4.2.2 replace the sentence:

FROM:

“All ISP organizations without direct assignments or allocations from ARIN qualify for an initial allocation of up to a /22, subject to ARIN’s minimum allocation size.”

TO:

“All ISP organizations without direct assignments or allocations from ARIN qualify for an initial allocation of a /24.”

In section 8.3 Conditions on the source of the transfer, remove this sentence:

“The source entity will not be allowed to apply for IPv4 address space under Section 4.1.8 ARIN Waitlist for a period of 36 months following the transfer of IPv4 address resources to another party.”

## **COMMENTS:**

Corrections were made for a typo (references to 4.18 as opposed to 4.1.8 as intended) in a number of places in the document, and a reference to 4.22 instead of 4.2.2. The core text remains unchanged, however.

(Necessary changes/corrections made on Feb 6, 2024)

Needs more careful review for intersection with other elements of the NRPM. Need to be careful with existing list member treatment. The author claims that they haven't scanned the NRPM for other mentions of 4.1.8 that may need to be addressed.

The author thinks section 4 can be drastically simplified further with this change. The intention in requiring demonstrated need is avoidance of the situation at RIPE where every new entrant got an automatic allocation, which resulted in many new entities incorporated only to receive this allocation.

The author also noted a serendipity in the number of waiting list entries (703) and the amount of entries that could have been met with a /24 cap (703) in John Sweeting's ARIN 52 presentation. Current waitlist entrants should be given retroactive consideration, but their maximum allocation reduced to /24

Additional text provides consideration and protection to those already on the Waitlist, to not be retroactively impacted by the policy once implemented. (Aug/Sept 2024)

**TIMETABLE FOR IMPLEMENTATION:** Immediate.



# DRAFT POLICY ARIN-2024-4

## Internet Exchange Point Definition

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[https://www.arin.net/participate/policy/drafts/2024\\_4/](https://www.arin.net/participate/policy/drafts/2024_4/)

**STATUS:** Under Discussion

**SHEPHERDS:** Brian Jones, Matthew Gamble

### ***Current Text (21 June 2024)***

#### **PROBLEM STATEMENT:**

The term “Internet Exchange Point” appears in the Number Resource Policy Manual (NRPM) as an entity eligible for special allocations and treatment but is not clearly defined. This proposal seeks to define the term as it relates to ARIN policies.

#### **POLICY STATEMENT:**

2.18 Internet Exchange Point:

An Internet Exchange Point, also known as an Exchange Point, Internet Exchange, IX, IXP or NAP, is a shared, physical switching fabric used by three or more autonomous systems for the exchange of data destined for and between their respective networks.

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

### ***Staff and Legal Review (3 October 2024)***

#### **STAFF UNDERSTANDING:**

This draft policy introduces a new subsection to the Number Resource Policy Manual defining an Internet exchange point. The proposed definition specifies in part that an Internet exchange point must consist of three or more autonomous systems. Section 4.4 Micro-allocation supports this specification by stating that an Internet exchange point requires a minimum of three other participants, which is consistent with the proposed definition.

However, section 6.10.1 Micro-allocations for Critical Infrastructure currently states that Internet exchange point operators require a minimum of only two other participants, which creates a discrepancy. Staff recommends addressing and resolving this discrepancy.

**IMPLEMENTABLE AS WRITTEN?:** Yes

**IMPACT ON ARIN REGISTRY OPERATIONS AND SERVICES:** None

**LEGAL REVIEW:** No material legal issue

**IMPLEMENTATION TIMEFRAME ESTIMATE:** 3 Months

#### **IMPLEMENTATION REQUIREMENTS:**

- Staff training
- Updates to public documentation
- Updates to internal procedures and guidelines

**PROPOSAL/DRAFT POLICY TEXT ASSESSED:** 21 June 2024

# DRAFT POLICY ARIN-2024-5

## Rewrite of NRPM Section 4.4 Micro-Allocation

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[https://www.arin.net/participate/policy/drafts/2024\\_5/](https://www.arin.net/participate/policy/drafts/2024_5/)

**STATUS:** Under Discussion

**SHEPHERDS:** Daniel Schatte, Chris Woodfield

### ***Current Text (23 April 2024)***

#### **PROBLEM STATEMENT:**

The current NRPM Section 4.4 language hasn't aged well. As the ARIN 53 policy experience report demonstrated, 4.4 has also become difficult to implement by ARIN staff. Growth and use of Internet Exchanges has also changed. The overhaul seeks to improve technical soundness, respect the privilege of a dedicated pool and to more closely observe conservation principles using clear, minimum and enforceable requirements and underscoring the value of routability of assigned prefixes as required.

#### ARIN 4.4 CI Assignments

The intent of this policy is not to unreasonably preclude the use of an allocated or assigned prefix in servicing the needs of critical infrastructure of the Internet.

ARIN will reserve a /15 equivalent of IPv4 address space for Critical Infrastructure (CI) of the Internet within the ARIN RIR service area. Assignments from this pool will be no smaller than a /24. Sparse allocation will be used whenever practical. CI includes Internet Exchanges, IANA authorized root servers, ccTLD operators, ARIN, and IANA. Addresses assigned from this pool may be revoked if no longer in use or not used for approved purposes. Only Section 8.2 transfers are allowed. Use of this policy for CI is voluntary. ARIN will publish all 4.4 allocated addresses for research purposes.

#### 4.4.1 Internet Exchange Assignments

Internet Exchange operators must justify their need by providing the following:

- A minimum of three initial participants connected to a physically present ethernet switch fabric to be used for the purpose of Internet Exchange facilitated peering
- Justification must include:
  - Three unique participant names and ASNs not under common control
  - Direct contact information for each participant
- Staff can reasonably validate hardware existence and participants intent
- Applicant Internet Exchange affiliated ASNs are not eligible to be included in meeting the participant requirement
- Assigned addresses may be publicly reachable at the operators discretion and be used to operate all of the Internet Exchange's infrastructure

#### 4.4.2 Root and ccTLD Assignments

Root and ccTLD operators will provide justification of their need and certification of their status as currently active zone operators.

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

# DRAFT POLICY ARIN-2024-6

## 6.5.1a Definition Update

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[https://www.arin.net/participate/policy/drafts/2024\\_6/](https://www.arin.net/participate/policy/drafts/2024_6/)

**STATUS:** Under Discussion

**SHEPHERDS:** Kendrick Knowles, Doug Camin

### ***Current Text (3 May 2024)***

#### **PROBLEM STATEMENT:**

Section 2.4 of the NRMP defines “A Local Internet Registry (LIR) is an IR that primarily assigns IP addresses to the users of the network services that it provides. LIRs are generally Internet Service Providers (ISPs) whose customers are primarily end users and possibly other ISPs.” This statement differs from the intention of section 6.5.1a that allows section 6 to use LIR and ISP interchangeably. This proposal seeks to clarify the text in section 6.

#### **POLICY STATEMENT:**

Change the text from:

The terms ISP and LIR are used interchangeably in this document and any use of either term shall be construed to include both meanings.

to

The terms ISP and LIR are used interchangeably in this SECTION and any use of either term shall be construed to include both meanings.

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

# DRAFT POLICY ARIN-2024-7

## Addition of Definitions for General and Special Purpose IP Addresses

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[https://www.arin.net/participate/policy/drafts/2024\\_7/](https://www.arin.net/participate/policy/drafts/2024_7/)

**STATUS:** Under Discussion

**SHEPHERDS:** Kaitlyn Pellak, Alison Wood

### ***Current Text (25 June 2024)***

#### **PROBLEM STATEMENT:**

The Number Resource Policy Manual (NRPM) often treats general purpose and special purpose IP addresses differently. Unfortunately, we don't have a convenient to use term to describe these categories, so policy often becomes either excessively wordy or does not correctly capture the intent. Examples of this can be found in section 4.1.8 of the NRPM, and in (currently pending) Draft Policies ARIN-2023-8 (where the fact that 4.4 and 4.10 space isn't counted against an organization is repeated numerous times) and ARIN-2022-12 (where the text does not exclude 4.4 and 4.10 allocations from being counted against an organization, but it is the intent that those allocations should be ignored). Additionally, temporary allocations under section 11 are rarely carved out, even when 4.4 and 4.10 are, even though it is likely the policy's intent that these too should be ignored.

#### **POLICY STATEMENT:**

Add the following definitions to Section 2

**Special Purpose IPv4 Address** - An IPv4 address that the NRPM makes available for specific purposes including maintaining critical Internet infrastructure (Section 4.4), facilitating IPv6 deployment (Section 4.10), or temporarily for experimental purposes as approved by ARIN (Section 11).

**General Purpose IPv4 Address** - Any IPv4 address issued by ARIN that is not issued solely for the purposes stated under Special Purpose IPv4 Addresses.

**Special Purpose IPv6 Address** - An IPv6 address that the NRPM makes available for specific purposes such as maintaining critical Internet infrastructure (Section 6.10) or temporarily for experimental purposes as approved by ARIN (Section 11).

**General Purpose IPv6 Address** - Any IPv6 address issued by ARIN that is not issued solely for the purposes stated under Special Purpose IPv6 Addresses.

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

# DRAFT POLICY ARIN-2024-8

## Restrict the Largest Initial IPv6 Allocation to /20

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[https://www.arin.net/participate/policy/drafts/2024\\_8/](https://www.arin.net/participate/policy/drafts/2024_8/)

**STATUS:** Under Discussion

**SHEPHERDS:** Liz Goodson, Gus Reese

### ***Current Text (25 June 2024)***

#### **PROBLEM STATEMENT:**

In order to promote aggregation, the NRPM currently allows initial allocations up to a /16. However, the entire IPv6 address space only contains 65536 /16s, and the space allocated to IANA for globally routable purposes only contains 8192 /16s. Therefore, a /16 is a sufficiently large portion of the IPv6 address space that the goal of conservation starts to outweigh the goal of aggregation.

#### **POLICY STATEMENT:**

6.5.2.1b: Replace “In no case shall an ISP receive more than a /16 initial allocation.” with “In no case shall a LIR receive more than a /20 initial allocation.”

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

# DRAFT POLICY ARIN-2024-10

## Registration Requirements and Timing of Requirements With Retirement of Section 4.2.3.7.2

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[https://www.arin.net/participate/policy/drafts/2024\\_10/](https://www.arin.net/participate/policy/drafts/2024_10/)

**STATUS:** Under Discussion

**SHEPHERDS:** Alicia Trotman, Daniel Schatte

### ***Current Text (13 September 2024)***

#### **PROBLEM STATEMENT:**

Registration is central to the value provided by ARIN to the community. Registry quality depends greatly upon the timely registration of reassignments from ISPs to end users. The motivation for registration has waned since the depletion of the free pool. Registration remains vital to a number of stakeholders, including law enforcement and network operators.

This proposal aims to modernize the registration-related policies in Section 4 by introducing language that is meant to remind ISPs of the importance of registration when feasible for the benefit of the community.

#### **POLICY STATEMENT:**

REPLACE: Section 4.2.3.7.1

Original Text:

“Each IPv4 reassignment or reallocation containing a /29 or more addresses shall be registered via SWIP or a directory services system which meets the standards set forth in section 3.2.”

New Text:

“Each IPv4 reassignment or reallocation containing a /29 or more addresses shall be registered via a directory services system which meets the standards set forth in section 3.2, within 14 days.”

RETIRE: Section 4.2.3.7.2 - Reassignments and Reallocations Visible Within Seven Days

RENAME: 6.5.5.1 from “Reassignment Information” to “Reassignment and Reallocation Information”.

**TIMETABLE FOR IMPLEMENTATION:** Immediate.

### ***Staff and Legal Review (30 September 2024)***

#### **STAFF UNDERSTANDING:**

Staff understands that this policy will eliminate the outdated term of SWIP in section 4, and simplify the language to use directory services, which includes SWIP and RWhois. This draft policy will combine sections of 4.2.3.7.1 and 4.2.3.7.2 into a single section, further simplifying the policy text. It also extends the time to publicly report IPv4 reassignments and reallocations from seven days to 14 days. This draft policy is not clear on the timing being calendar days. If this policy is adopted, staff would implement it as 14 calendar days to maintain consistency with the previous policy and current practice.

This draft policy also changes the title of section 6.5.5.1 to include IPv6 Reallocations, aligning it with current staff practices. Staff suggests updating additional text in section 6 to remain consistent with the proposed changes to section 4.

Section 6.5.5.2 outlines that reassignments and reallocations are to be reported within seven calendar days. This introduces differences in reassignment and reallocation requirements for holders of IPv4 (14 days) and IPv6 (7 days), which could lead to confusion for customers holding both IPv4 and IPv6. Staff recommends updating section 6.5.5.2 to 14 calendar days, being consistent with the proposed change in section 4.2.3.7.1.

Also of note, section 6.5.5.1 uses the terms SWIP and distributed service while the proposed revision to 4.2.3.7.1 uses directory services system. Staff recommends using directory services system to be consistent with revised section 4.2.3.7.1.

**IMPLEMENTABLE AS WRITTEN?:** Yes

**IMPACT ON ARIN REGISTRY OPERATIONS AND SERVICES:** None

**LEGAL REVIEW:** No material legal issue

**IMPLEMENTATION TIMEFRAME ESTIMATE:** 3 months

**IMPLEMENTATION REQUIREMENTS:**

- Staff training
- Updates to public documentation
- Updates to internal procedures and guidelines

**PROPOSAL/DRAFT POLICY TEXT ASSESSED:** 13 September 2024

# SCAN TO VISIT

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NUMBER  
RESOURCE  
POLICY MANUAL

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[ARIN.NET/NRPM](https://www.arin.net/nrpm)

POLICY  
DEVELOPMENT  
PROCESS

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[ARIN.NET/PDP](https://www.arin.net/pdp)

CURRENT DRAFT  
POLICIES AND  
PROPOSALS

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[ARIN.NET/  
DRAFT\\_POLICIES](https://www.arin.net/draft_policies)

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