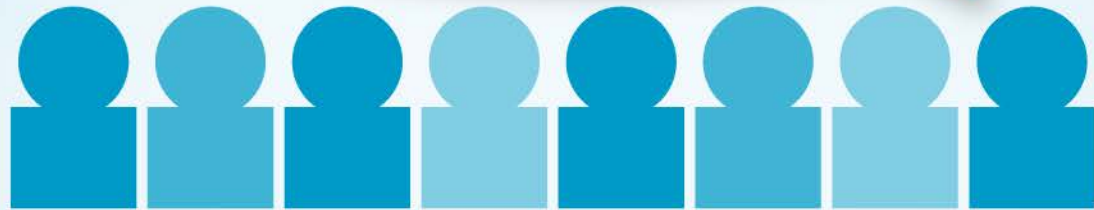


WELCOME

~~ARIN~~
@NANOG⁵⁷

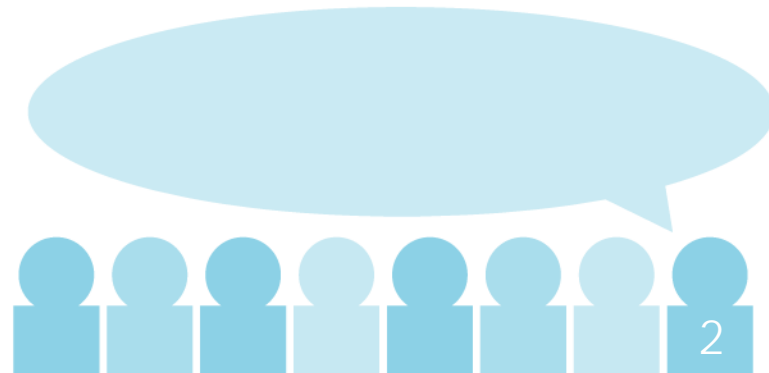


PUBLIC POLICY

CONSULTATION

Public Policy Consultation

- *An open public discussion of Internet number resource policy held by ARIN facilitating in-person and remote participation.*
- *May be held at ARIN's Public Policy Meetings and at other forums as approved by the ARIN Board of Trustees.*



Today's Agenda

- Draft Policy 2012-2 IPv6 Subsequent Allocations Utilization Requirement
- Prop-182 Update Residential Customer Definition to Not Exclude Wireless as Residential Service
- Draft Policy 2013-1 (ARIN-prop-183) Section 8.4 Transfer Enhancement
- Open Microphone for Policy Issues



Welcome Remote Participants!

arin.net/ppc/

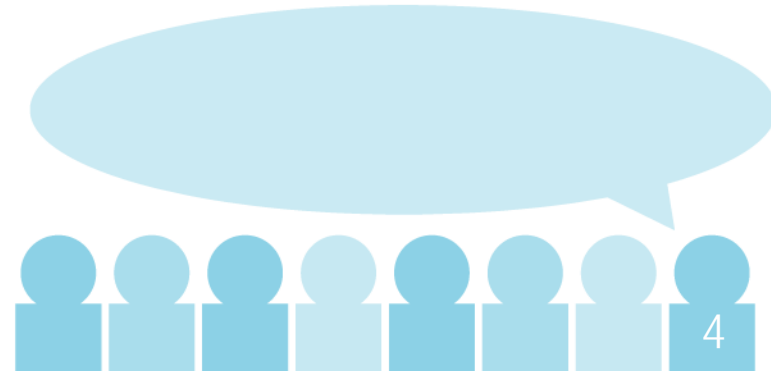
Webcast

Live Transcript

Downloadable
meeting materials

Chat rooms

- On-record
Virtual microphone
- Hands-up
Show of hands



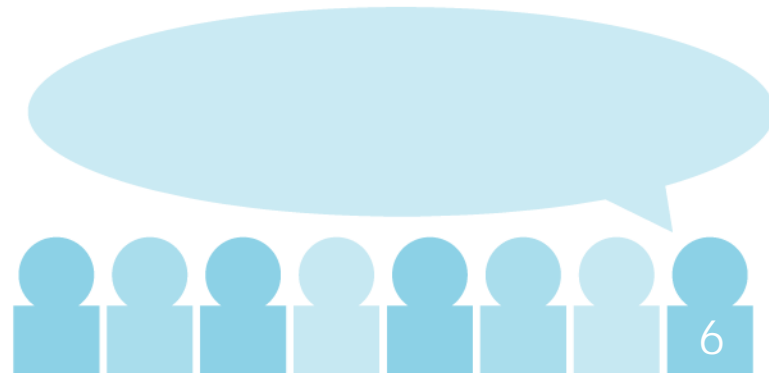
Rules & Reminders

- The Chair moderates discussions of draft policies so that all can speak and all can be heard.
- Please clearly state your name and affiliation each time you are recognized at the microphone.
- Please comply with the rules and courtesies outlined in the Discussion Guide.



At the Head Table...

- Paul Andersen, *Vice Chair and Treasurer*
- John Curran, *President & CEO*
- Chris Grundemann, *AC*
- Stacy Hughes, *AC [Jabber monitor]*
- Robert Seastrom, *AC*
- John Sweeting, *AC Chair*





Draft Policy 2012-2

IPv6 Subsequent Allocations Utilization Requirement

2012-2 - History

1. Origin: ARIN-prop-159 (Nov 2011)
2. AC Shepherds: Heather Schiller, Cathy Aronson
3. Presented at ARIN 29 – needed more work
4. Presented at ARIN 30 – needed more work
5. Text and assessment online & in Discussion Guide

https://www.arin.net/policy/proposals/2012_2.html

2012-2 – ARIN Staff Summary

- The intent of this proposal is to allow ISPs (that have begun using IPv6 but may not have sufficiently planned for longer term growth) to receive an additional allocation.

2012-2 – Status at other RIRs

No similar proposals/discussions.

2012-2 – Staff Assessment

Staff Comments: Issues/Concerns?

- We believe that the intent of this policy is to allow ISPs who have allocated at least 90% of their space to serving sites to qualify for an additional allocation as long as the block size allocated to each serving site is justified based on the number of customers at the largest single serving site. However, we find the new policy text, "Has allocated more than 90% of their serving site blocks to serving sites, and has sufficient actual utilization at their serving sites to continue to justify the block size being utilized for all serving sites as specified in section 6.5.2." to be unclear and confusing.
- Staff suggests that the text be modified to: "has allocated more than 90% of their total address space to serving sites, with the block size allocated to each serving site being justified based on the criteria specified in section 6.5.2" This would allow block size to be based on the same criteria used to determine block size for the initial allocation.

2012-2 – Legal Assessment

- This policy does not create significant legal issues.



Draft Policy 2012-2

IPv6 Subsequent Allocations Utilization Requirement

2012-2 Problem Statement

- Current IPv6 allocation policy contains artifacts of IPv4 scarcity/slow-start thinking. This proposal attempts to mitigate that by allowing a longer term planning window for IPv6 number resources.

2012-2 Text Part One

- Section 2.14 Serving Site
- When applied to IPv6 policies, the term serving site shall mean a location where an ISP terminates or aggregates customer connections, including, but, not limited to Points of Presence (POPs), Datacenters, Central or Local switching office or regional or local combinations thereof. **It does not require the implementation of such aggregation in routing, only the implementation of an addressing plan that is subnetted along these topological boundaries to support the ability to aggregate.**

[Bold text is new]

2012-2 Text Part Two

- Section 6.5.3. Subsequent Allocations to LIRs
 - a. Where possible ARIN will make subsequent allocations by expanding the existing allocation.
 - b. An LIR qualifies for a subsequent allocation if they meet any of the following criteria:
 - Shows utilization of 75% or more of their total address space
 - Shows utilization of more than 90% of any serving site
 - **Has allocated more than 90% of their serving site blocks to serving sites, and has sufficient actual utilization at their serving sites to continue to justify the block size being utilized for all serving sites as specified in section 6.5.2.**

[Bold text is new]



Prop 182
Update Residential Customer
Definition to Not Exclude Wireless as
Residential Service

Prop 182 - History

1. 2 Oct 2012
2. AC Shepherds: David Farmer and Chris Grundemann
3. Text online & in Discussion Guide

https://www.arin.net/policy/proposals/policy_proposal_archive.html

Prop 182 – ARIN Staff Summary

- Would change the definition of residential customer. Removes the requirement that internet access is provided at a physical residence, thus broadening the definition of residential customer to all non-commercial users.

Prop 182 – Status at other RIRs

No similar proposals/discussions.

Prop 182 – Staff Assessment

Policy Proposal

- AC working with originator to ensure clear problem statement and clear policy text.
- Staff/legal assessment to be performed upon request of the AC.



Prop 182

Update Residential Customer
Definition to Not Exclude Wireless as
Residential Service

Prop 182 – Problem Statement

- “There is no difference between mobile and fixed aggregation and address assignment architectures in the real world of real networks. Consequently, ARIN policy should not assert there is a difference.”
- AC Shepherds currently working with author to define technical need.

Prop 182 - Text

Section 2.13. Residential Customer

- End-users who are individual persons and not organizations and who receive service ~~at a place of residence~~ for personal use only are considered residential customers, **regardless of OSI Layer 1 or 2 technologies.**

[Bold is new text]



Draft Policy 2013-1

Section 8.4 Transfer Enhancement

2013-1 - History

1. Origin: ARIN-prop-183 (Oct 2012)
2. AC Shepherds: Scott Leibrand, Heather Schiller
3. Text online & in Discussion Guide

https://www.arin.net/policy/proposals/2013_1.html

2013-1 – ARIN Staff Summary

- Would allow Inter-RIR ASN transfers.

2013-1 – Status at other RIRs

No similar proposals/discussions.

2013-1 – Staff Assessment

New Draft Policy

- Posted last week for discussion per the new ARIN PDP.
- Staff/legal assessment to be performed upon request of AC (when draft is fully developed).



Draft Policy 2013-1

Section 8.4 Transfer Enhancement

2013-1 – Problem Statement

- Encourage recovery and utilization of idle resources. ASNs are already transferable within the ARIN region but are not transferable under inter-RIR resource transfer policies. This proposal seeks to harmonize section 8.3 and section 8.4.

2013-1 – Text

- Modify the following text in Section 8.4
 - Change all occurrences of "IPv4 number resources" to "IPv4 number resources and ASNs".
 - Change all occurrences of "IPv4 address resources" to "IPv4 number resources and ASNs".