



Draft Policy ARIN-2021-3: Private AS Number and Unique Routing Policy Clarifications

Chris Tacit, Advisory Council Shepherd

History

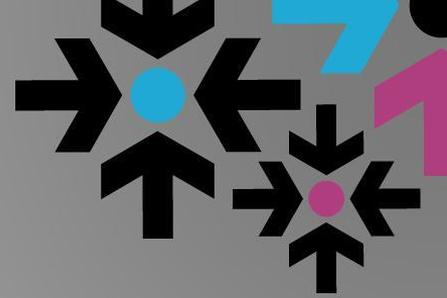
Proposal - 1 July 2021

Draft Policy - 20 July 2021

Staff and Legal Review - 25 August 2021

Not yet presented at an ARIN Meeting

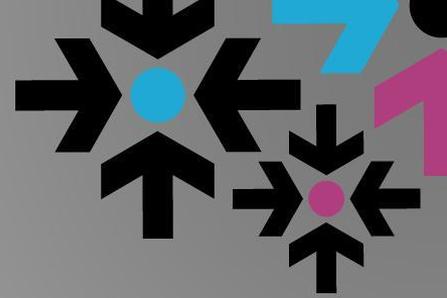
Shepherds - Chris Tacit, Joe Provo





Rationale for Policy

- This proposal arose out of a policy experience report that identified lack of clarity by ARIN customers with respect to the following matters when it comes to applying for AS Numbers:
 - Some customers are not aware that their need for a unique AS Number depends upon their need (or lack thereof) to utilize the AS Number on the public Internet;
 - Few customers qualify for an AS Number under the “unique routing policy” requirement, specifically because they aren’t aware of what “unique routing policy” applies to;
 - All ARIN delegations are based on current needs, and some customers aren’t aware they need network plans when they request an AS Number; and
 - Additionally, clarification is needed that some organizations may have a unique need for an AS Number outside of utilizing a unique routing policy, such as BGP.



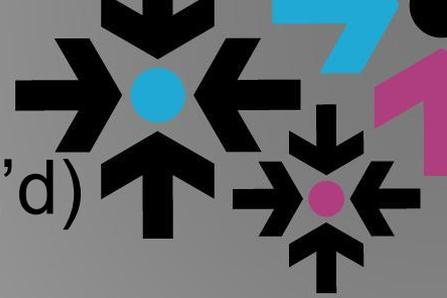
Proposed Text Changes in Section 5

Replace:

“Sites that do not require a unique AS Number should use one or more of the AS Numbers reserved for private use.”

With:

“Private ASNs should be used only when there is no plan to use them on the public Internet.”



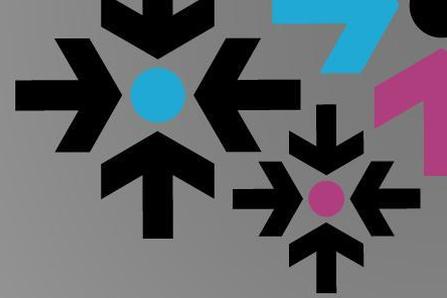
Proposed Text Changes in Section 5 (cont'd)

Replace:

“1. A unique routing policy (its policy differs from its border gateway peers) 2. A multihomed site.”

With:

“1. A plan to connect their network using a unique routing policy, such as Border Gateway Protocol (BGP) 2. A network requiring routing policies to be deployed which are unique only to that network.”



Proposed Text Changes in Section 5

Replace:

“AS Numbers are issued based on current need. An organization should request an AS Number only when it is already multihomed or will immediately become multihomed.”

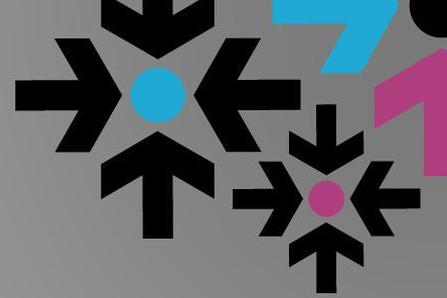
With:

“AS Numbers should be requested when an organization has network plans ready and is either planning to use a unique routing policy (such as BGP) or has a unique need for an AS Number.”



PPML Discussion

- PPML discussion took place in July and there has not been anything since then.
- Comments ranged in approach:
 - Some focused on tweaking the language further to clarify that BGP is an example of one protocol;
 - Others asked if this is the correct approach given how ASNs are used by cloud providers;
 - Yet others questioned whether there should be a reference to RFC 6996; and
 - Finally, some questioned the premise that private ASNs should be used only when there is no plan to use them on the public Internet.



Questions

- Does the proposed text address the issues identified in the policy experience report adequately?
- If not, what additional changes are needed?
- Are there any other comments?

Thanks!

Any
Questions?

