

ARINI  
12-14 APRIL 2021



# Policy Implementation and Experience Report

Lisa Liedel, Director of Registration Services

# NRPM Section 5. AS Numbers - Current Text

There are a limited number of available Autonomous System Numbers (AS Numbers), therefore, it is important to determine which sites require unique AS Numbers and which do not. **Sites that do not require a unique AS Number should use one or more of the AS Numbers reserved for private use.** Those numbers are: 64512 through 65534 and 4200000000 through 4294967294 inclusive.

In order to be assigned an AS Number, each requesting organization must provide ARIN with verification that it has one of the following:

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

**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.**

# NRPM Section 5. AS Numbers

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

Most popular question from customers is:

How do I determine if I require a unique ASN?

RSD response:

If there is no need to use the ASN on the public Internet, then a private ASN could satisfy your needs.

May consider changing to:

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

# NRPM Section 5. AS Numbers

In order to be assigned an AS Number, each requesting organization must provide ARIN with verification that it has one of the following:

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

Unique routing policy is somewhat problematic for customers. In addition, most ASNs are issued under the multihomed caveat.

Would suggest changing the order and updating verbiage to something similar to:

1. Plan to connect your network using BGP (multihomed)
2. Your network requires routing policies to be deployed which are unique only to your network (unique routing)

# NRPM Section 5. AS Numbers

**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.**

Given all Internet number resources are issued based on justified need, may consider removing this or even replacing with updated verbiage.

Suggested updated verbiage:

You can request an ASN when your network plans are ready and you're planning to use BGP or have a unique need for your own ASN.



## NRPM 3.2 Distributed Information Service Use Requirements

Just as a **reminder** to the ARIN Community - it is important to ensure your RWhois servers are accessible to the general public and ARIN 24X7 in accordance with section 3.2 of NRPM.

- ARIN policy outlines the requirements
  - Must be operational 24X7 (reasonable downtime for maintenance)
  - Must allow public access to reassignment and reallocation information and must return information for IPs queried
  - Other requirements referencing data requirements
- Currently, there are 712 Organization Identifiers with RWhois servers listed
- Only 250 of these are currently accessible

Please open an Ask ARIN ticket if you require assistance updating or removing old RWhois servers.

Thanks!

Any  
Questions?