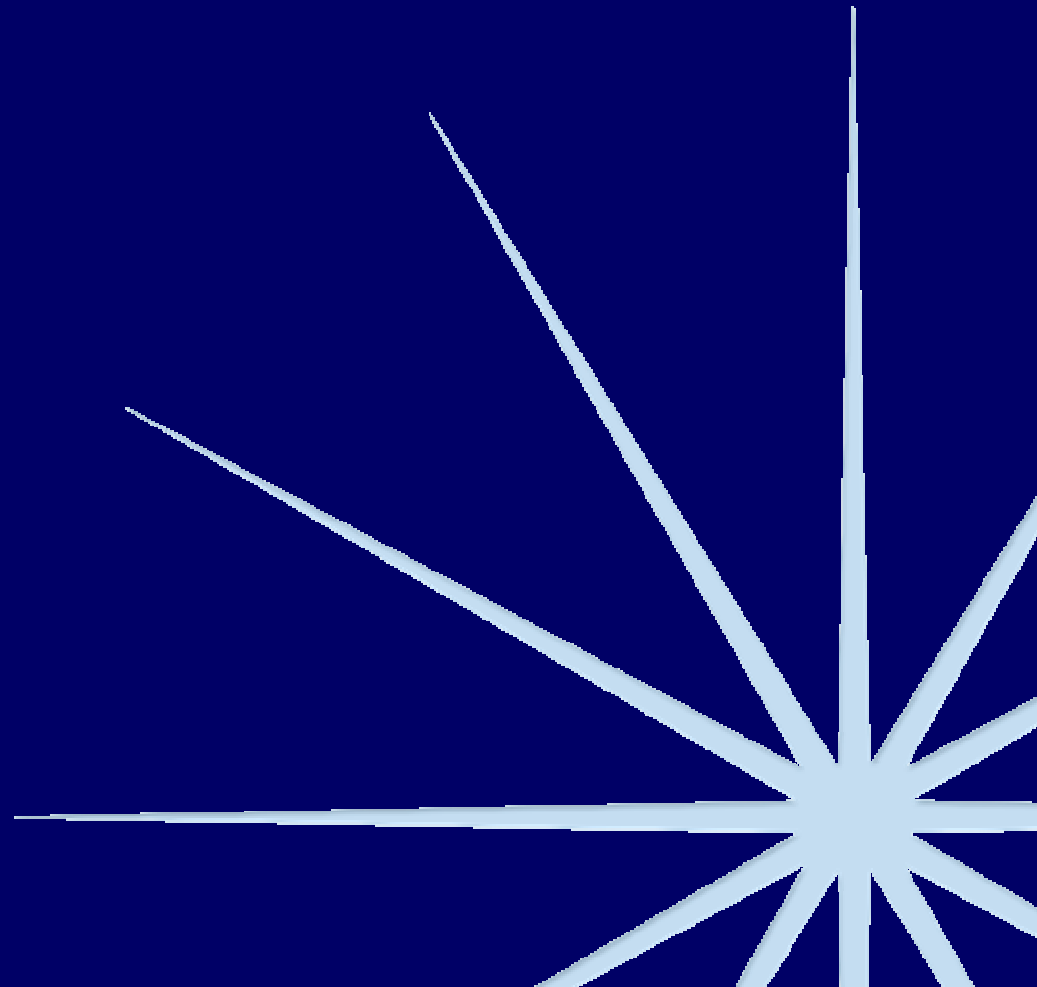


Number Resource Policy Manual (NRPM)



NRPM

* Purpose

- ▶ Enumerate all policies into a single manual
- ▶ Eliminate reference difficulties
- ▶ Protect integrity of policy documentation

* Review and Publication

- ▶ Advisory Council
- ▶ Board of Trustees
- ▶ Published 15 October 2004

NRPM

★ Same old policy
– new format

★ Accountability
and tracking

- ▶ Version control
- ▶ Appendix A – Change log

4. IPv4

4.1. General Principles

- 4.1.1. Routability
- 4.1.2. Validity
- 4.1.3. Invalidation
- 4.1.4. Recall
- 4.1.5. Determination of IP address allocation size
- 4.1.6. CIDR bit boundaries
- 4.1.7. RFC 2050

4.2. Allocations to ISPs

4.2.1. Principles

- 4.2.1.1. Purpose
- 4.2.1.2. Annual Renewal
- 4.2.1.3. Utilization rate
- 4.2.1.4. Slow start
- 4.2.1.5. Minimum allocation

4.2.1.5. Minimum allocation - In general, ARIN allocates IP address prefixes no longer than /20 to ISPs. If allocations smaller than /20 are needed, ISPs should request address space from their upstream provider. For multi-homed ISPs, ARIN allocates IP address prefixes no longer than /22. If allocations smaller than /22 are needed, multi-homed ISPs should request address space from their upstream provider.

4.2.1.6. Immediate need - If an ISP has an immediate need for address space, i.e., the need exists the day of the request, ARIN may issue a /20 if the organization, such as a new company, shows justification. However, these cases are exceptional.

4.2.2. Initial allocation to ISPs

4.2.2.1. Standard or non-multi-homed - Organizations that do not meet the requirements described in the multi-homed section below

Links

*NRPM

▶ <http://www.arin.net/policy/>

*Appendix A – Change Log

▶ http://www.arin.net/policy/nrpm_changelog.html

THANK YOU