

4. IPv4

4.1. General Principles

4.1.1. ~~[Section Number Retired]~~ **Routability**

~~Provider independent (portable) addresses issued directly from ARIN or other Regional Registries are not guaranteed to be globally routable. Therefore, ISPs should consider the following order of priority when requesting IP address space:~~

- ~~• Request IP address space from upstream provider~~
- ~~• Request IP address space from provider's provider~~
- ~~• Request IP address space from ARIN (not guaranteed to be globally routable)~~

4.1.2., 4.1.3., 4.1.4. [Section Number Retired]

4.1.5. ~~Determination of IP address allocation~~ **Resource request size**

~~Determination of IP address allocation size~~ [Determining the validity of the amount of requested IP address resources](#) is the responsibility of ARIN.

4.1.6. Aggregation

In order to preserve aggregation, ARIN attempts to issue blocks of addresses on appropriate "CIDR-supported" bit boundaries. ARIN may reserve space to maximize aggregation possibilities until the implementation of section 10.4.2.2, at which time ARIN will make each allocation and assignment as a single continuous range of addresses.

4.1.7. ~~[Section Number Retired]~~ **RFC 2050**

~~ARIN takes guidance from allocation and assignment policies and procedures set forth in RFC 2050. These guidelines were developed to meet the needs of the larger Internet community in conserving scarce IPv4 address space and allowing continued use of existing Internet routing technologies.~~

(4.1.8 unchanged)

4.1.9. Returned IPv4 Addresses

~~Until a global policy which clearly defines a mechanism for the re-allocation of IPv4 addresses returned to the IANA is adopted by all five regions and implemented at the IANA; all IPv4 addresses returned to, recovered, or revoked by ARIN will be made available for allocation or assignment in the ARIN region as quickly as practicable.~~

(4.2 through 4.2.3 unchanged)

4.2.4. ISP Additional Requests

4.2.4.1. Utilization percentage (80%)

ISPs must have efficiently utilized all previous allocations and at least 80% of their most recent allocation in order to receive additional space. This includes all space reassigned to their customers. Please note that until your prior utilization is verified to meet the 80% requirement, ARIN can neither process nor approve a request for additional addresses.

4.2.4.2. Return address space as agreed

Return prior address space designated for return as agreed.

4.2.4.3. Request size~~Subscriber Members Less Than One Year~~

~~Provide detailed information showing specifically that the address space will be utilized within three months. Determination of the appropriate allocation to be issued is based on efficient utilization of space within this three-month time frame.~~

~~4.2.4.4. Subscriber Members After One Year~~

~~After an organization has been a subscriber member of ARIN for one year, they may choose to request up to a 12-month supply of IP addresses.~~

~~When ARIN receives its last /8, by IANA implementing section 10.4.2.2, the length of supply that an organization may request will be reduced. An organization may choose to request up to a 3-month supply of IP addresses.~~ ISPs may request up to a 3-month supply of IPv4 addresses from ARIN, or a 24-month supply via 8.3 or 8.4 transfer.

(4.2.5. through 4.10 unchanged)