

Iowa Communications Network IP Addressing Usage Policy - Version: 6.0

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Publisher: Iowa Communications Network

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Summary

This policy establishes the guidelines employed by the Iowa Communications Network (ICN) in managing the use of Internet Protocol addresses. This policy is based on policies set forth by the American Registry for Internet Numbers (ARIN).

Responsibility and Authority

The ICN will provide suitable blocks for assignment to our customers. The ICN will then break the larger blocks into smaller blocks for assignment to individual customer circuits.

The ICN reserves the right to conduct audits of all ICN addresses. These audits shall be executed utilizing, but not limited to, ping sweeps, DNS lookups and periodic review of customer IP justification requests. ICN assigned IP addresses are not “sold” to the Customer, they are assigned to an organization for its exclusive use for the duration of contracted services with the ICN. IP address allocations are made to organizations, not to individuals representing those organizations.

IP Usage Policy

The ICN will assign IP addresses based on the needs of ICN customers. The ICN will make every effort to provide a reasonable number of IPs to satisfy each customer’s needs. If a customer’s needs require an IP address block that is larger than a /21 (eight class C address blocks) a direct customer relationship with ARIN may be required.

IP Address Requests

Customers who order IP services from the ICN will be allocated IP address space at the time of installation. This allocation will be calculated and administered by the ICN. Customers who connect to the ICN’s network have two options for obtaining addresses. The first option is that ICN assigns the IP addresses. The second option is that the customer obtains IP addresses from ARIN to be managed by the ICN.

New IP address block/space shall be requested via the customer’s ICN Account Consultant. Requests should include all domain names, all workstation, server, and

router IP addresses, as well as the total number of IP addresses being requested. All communications will be sent via electronic mail.

Grandfathering Provision

Customers with active ICN service agreements established prior to September 2021 (09/2021) who had authorized third-party IP announcements or existing ROA/LOA permissions are grandfathered under this policy. Grandfathered customers may maintain their existing third-party announcements. However, any modification to existing third-party announcements (such as changes to the target ASN, expanded IP prefix ranges, or new third-party providers) requires formal submission under the standard ROA approval procedure. Additionally, grandfathered arrangements remain subject to periodic ICN routing security audits to maintain overall network integrity.

Unauthorized Use of IP Addresses

The purpose of this policy is to maintain the integrity of the ICN’s routing tables to ensure that unauthorized or potentially harmful IP addresses are not added to our network that could compromise the system for our customers and result in downtime.

The ICN will take strict measures to prevent unauthorized usage of ICN IP addresses. If the ICN discovers an unassigned IP address(es) being announced by outside organizations, ICN may take the following possible actions: 1) IP addresses associated with the device (server, router, switch, etc.) will be disabled until such time as the unassigned IPs are removed or are being appropriately announced by the ICN; 2) All unauthorized usage incidents will be documented; 3) ICN may reclaim IP address(es) due to a violation of the IP address/usage policy.

By limiting behaviors that could compromise the network, we are able to protect and secure the network for all customers who are served by the ICN.

Return of Address Space/Termination of Use Policy

The customer’s IP address allocation is owned by ICN and is assigned to customers in good standing with the ICN. Customers may not sell, transfer, or assign their interest in the IP address allocation to any other organization or person. A customer’s IP address allocation will be returned to ICN upon the disconnection of service, expiration, or termination of the contracted services with the ICN. The ICN reserves the right to reclaim any unused IP address allocation, for any reason, upon 30-day written notice to the customer.