



## IP Justification Guidelines

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The following guidelines are used in making decisions for IP assignments to customers.

### **Excerpt from RFC 2050 3.1 Common Registry Requirements**

Because the number of available IP addresses on the Internet is limited, the utilization rate of address space will be a key factor in network number assignment. Therefore, in the best interest of the Internet as a whole, specific guidelines have been created to govern the assignment of addresses based on utilization rates.

Although topological issues may make exceptions necessary, the Basic criteria that should be met to receive network numbers are listed below:

25% immediate utilization rate  
50% utilization rate within 1 year

The utilization rate above is to be used as a guideline. There may be occasions when the 1 year rate does not fall exactly in this range.

Organizations must exhibit a high confidence level in its 1 year Utilization rate and supply documentation to justify the level of confidence. Organizations will be assigned address space based on immediate utilization plus 1 year projected utilization. A prefix longer than /24 may be issued if deemed appropriate. Organizations with less than 128 hosts will not be issued an IP address directly from The IRs. Organizations may be issued a prefix longer than /24 if The organization can provide documentation from a registry Recognized ISP indicating the ISP will accept the long prefix for injection into the global routing system.

Exceptions to the criteria will not be made based on insufficient equipment without additional detailed justification. Organizations should implement variable length subnet mask (VLSM) internally to maximize the effective utilization of address space. Address assignments will be made under the assumption that VLSM is or will be implemented.

IP addresses are valid as long as the criteria continues to be met. The IANA reserves the right to invalidate any IP assignments once it is determined the requirement for the address space no longer exists.

In the event of address invalidation, reasonable efforts will be made by the appropriate registry to inform the organization that the addresses have been returned to the free pool of IPv4 address space.

If you have questions about this policy, please email [operations@lightbound.com](mailto:operations@lightbound.com)



HRS Internet, LLC d/b/a LightBound is committed to complying fully with all requirements set forth by the American Registry for Internet Numbers (ARIN) in regard to IP address allocations. As such, it is LightBound's policy to consider the requirements of each customer individually when assigning IP space. **If you require a 64 block (/26) or more IP addresses (determined by need of 30+ useable IP addresses),** complete the form below.

Per ARIN's guidelines, organizations are assigned address space based on immediate utilization plus 6 month projected utilization. Organizations must exhibit a high confidence level in your 6-month utilization rate and supply documentation to justify the level of confidence.

Please fill this form out completely.

**STEP 1 - Complete your contact information.**

Existing LightBound Account #: \_\_\_\_\_

Current IP usage Scenario: \_\_\_\_\_ (Current LightBound or other ISP IP Assignment)

Your Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_



**STEP 2 - Select # of IP's you need and details about how those IP's will be used.**

**# of IP's Being Requested: Qty:** \_\_\_\_\_

**Set of ( 16, 32, 64, 128, 256 )** \_\_\_\_\_

Please select all that apply and the number of machines using these various technologies:

VPN Clients \_\_\_\_\_ ( 1-32; 33-64; 65-128; 129-256; 256+ )

SQL or other Database Hosting \_\_\_\_\_ ( 1-32; 33-64; 65-128; 129-256; 256+ )

SSL Mail/Web Servers \_\_\_\_\_ ( 1-32; 33-64; 65-128; 129-256; 256+ )

PC Anywhere/VNC/Timbuktu \_\_\_\_\_ ( 1-32; 33-64; 65-128; 129-256; 256+ )

Application Development Servers \_\_\_\_\_ ( 1-32; 33-64; 65-128; 129-256; 256+ )

Video Conference/Surveillance Servers \_\_\_\_\_ ( 1-32; 33-64; 65-128; 129-256; 256+ )

Other Servers \_\_\_\_\_ ( 1-32; 33-64; 65-128; 129-256; 256+ )

**In detail, explain the need for the number of addresses being requested. Note that equipment behind firewalls/proxies does not necessarily require globally unique IP Addresses. If you have a specific application that requires globally unique addresses, please note. Also describe how your existing allocation is being used.**

