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## Data Services

### IP ADDRESS JUSTIFICATION FORM DESCRIPTION

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The purpose of this form is to provide customers with a simple way to document their IP address space use as directed by ARIN. ARIN (American Registry for Internet Numbers) is a non-profit organization which manages IP address allocations in the U.S. They are one of a handful of Regional Internet Registries (RIR's) world wide. You can read more about ARIN and its services at <http://www.arin.net>.

Sonic.net and all other U.S. providers obtain their IP addresses from ARIN. Sonic.net must show how it is using its current IP space when we apply for additional addresses from ARIN. Customers who use Sonic.net address space must show what they used the space for so Sonic.net can justify the allocation to ARIN. Sonic.net is obligated to make sure that all IP space under its control is used as efficiently as possible.

### IP ADDRESS JUSTIFICATION FORM

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Please fill out the following section for Sonic.net to review and file.

|                   |  |              |  |
|-------------------|--|--------------|--|
| Technical Contact | Existing IP Addresses (If applicable): _____ |              |  |
| First Name: _____ | Last Name: _____                             | Phone: _____ |  |

| Subnet Number | Subnet Mask/CIDR | # IP's used today | # IP's projected use in 12 months |
|---------------|------------------|-------------------|-----------------------------------|
|               |                  |                   |                                   |
|               |                  |                   |                                   |
|               |                  |                   |                                   |
|               |                  |                   |                                   |
|               |                  |                   |                                   |
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|               |                  |                   |                                   |
|               |                  |                   |                                   |
|               |                  |                   |                                   |

### FOR SONIC USE ONLY

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|  |  |
|--|--|
| Username: _____<br><br>IP address block: _____<br><br>Date registered: _____ | Notes: _____<br>_____<br>_____<br>_____<br>_____ |
|--|--|



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### IP ADDRESS JUSTIFICATION FORM HELP!

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This document is in the format required by ARIN. We provide this section to help you understand the requirements.

If you have a single subnet and are not splitting it up into multiple subnets, just use the first example. Otherwise, please look over the other examples and find the one that best fits your need.

Please note that "Subnet Number" is an arbitrary number used to identify a group of or single address(es). If you are dividing your address space into subnets you will need to number them appropriately. Below is an example of three possible scenarios. Each address block from Sonic.net should get a major number (in 1.0 the one (1) is the major number). If you subnet a block then each subnet gets a minor number (in 1.0 the zero (0) is the minor number).

EX 1: Single Address block. Addresses 192.168.1.0/28

| <u>Subnet Number</u> | <u>Subnet Mask/CIDR</u> | <u># IP's Used Today</u> | <u># IP projected use in 12 months</u> |
|----------------------|-------------------------|--------------------------|--|
| 1.0                  | 255.255.255.240         | 5                        | 10                                     |

EX 2: Network divided into multiple subnets. Addresses 192.168.1.0/24

| <u>Subnet Number</u> | <u>Subnet Mask/CIDR</u> | <u># IP's Used Today</u> | <u># IP's projected use in 12 months</u> |
|----------------------|-------------------------|--------------------------|--|
| 1.0                  | 255.255.255.240         | 3                        | 8  |
| 1.1                  | 255.255.255.240         | 4                        | 10                                       |
| 1.2                  | 255.255.255.240         | 5                        | 9  |
| 1.3                  | 255.255.255.240         | 6                        | 7  |
| 1.4                  | 255.255.255.224         | 25                       | 40                                       |
| 1.5                  | 255.255.255.128         | 98                       | 128                                      |

EX 3: Multiple networks divided into multiple subnets. Addresses 192.168.1.0/24 and 10.0.1.0/24

| <u>Subnet Number</u> | <u>Subnet Mask/CIDR</u> | <u># IP's Used Today</u> | <u># IP's projected use in 12 months</u> |
|----------------------|-------------------------|--------------------------|--|
| 1.0                  | 255.255.255.240         | 3                        | 8  |
| 1.1                  | 255.255.255.240         | 4                        | 10                                       |
| 1.2                  | 255.255.255.240         | 5                        | 9  |
| 1.3                  | 255.255.255.240         | 6                        | 7  |
| 1.4                  | 255.255.255.224         | 25                       | 40                                       |
| 1.5                  | 255.255.255.128         | 98                       | 128                                      |
| 2.0                  | 255.255.255.240         | 3                        | 8  |
| 2.1                  | 255.255.255.240         | 4                        | 10                                       |
| 2.2                  | 255.255.255.240         | 5                        | 8  |
| 2.3                  | 255.255.255.240         | 5                        | 8  |
| 2.4                  | 255.255.255.128         | 88                       | 120                                      |