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## Static IP Address Job Aid

**Document Purpose**

This document provides information about Static IP addresses in conjunction with Wholesale Broadband Asymmetrical and Symmetrical products.

The customer may be required to provide information that supports a request for a Static IP block of more than one usable address. This required information is detailed in this document. It includes:

- A technical contact name and phone number. See *Technical Contact*.
- Justification for static IP blocks larger than one usable address. See *IP Justification Requirement*.
- Extended justification for static IP blocks larger than 14 usable addresses. See *Extended HSI Request Requirement*.

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**Technical Contact**

When a Static IP block /29, /28, /27, /26, or /25 is ordered, a technical point of contact is required. Ziplly Fiber will use the LCON name and number or Initiator contact unless a specific technical contact is named in Remarks.

Enter the technical contact name, number and email address in remarks if the LCON or Initiator should not be contacted.

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## Static IP Address Job Aid, Continued

**IP Justification Requirement**

The American Registry for Internet Numbers group oversees the distribution of Static IPs. Ziplly Fiber must be able to justify the Static IP assignment for blocks /29, /28, /27, /26, and /25.

Subnet	Usable IP Address	Justification Required
/30	1	No
/29	5	Yes
/28	13	Yes
/27	29	Yes
/26	61	Yes
/25	125	Yes

When a Static IP block larger than /30 is ordered, the Remarks section of an LSR must include justification for the quantity of IP addresses ordered. Failure to supply justification for usage of Static IP blocks larger than /30 in the Remarks section of the LSR may cause a Jeopardy situation that results in provisioning delay.

When /29, at least 3 values must be justified

When /28, at least 7 values must be justified

When /27, /26, /25 an HSI Extended Request is emailed to the Technical Contact. The HSI Extended Form must include the intended IP Address usage. See *HSI Extended Request Requirement* section of this document.

Use this chart as a guide to provide justification for IP address usage.

<u>Device/Application</u>	<u>Qty</u>
VPN	
Firewall	
Computers	
Servers	
Web Hosting	
Virtual Gaming/Training	
DSL Equipment	

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## Static IP Address Job Aid, Continued

**Extended HSI Request Requirement**

Additional information is required to support provisioning of Static IP blocks /27, /26, or /25. Upon request for a Static IP block of 29 or more usable IP addresses, Ziplly Fiber will send an email to the requesting carrier asking for information shown in this chart. Failure to supply the required information may cause a Jeopardy situation that results in provisioning delay.

Value	DETAIL
6d	VPN quantity and why you will not use private space if asking for public.
6e	Computer quantity and why you will not use private space if requesting public.
6f	Firewall quantity:
6g	Servers quantity and vendor models:
6h	Web Hosting quantity and list the domains in section 10a:
6i	VOIP quantity and why you will not use private space if asking for public:
6j	Will you use dynamic services on your network anywhere? If yes, how:
6m	Provide a list of address space already in use and whether you will be renumbering out of that address space or not.
6n	If your network include Wireless provisioning include network IP plan down to the Private space pools. Pinpoint the Public to Private ratio.
7a	Provide a detailed explanation of your network architecture and how you will be using it:
7b	Miscellaneous: Explain any other items and the quantity that will use a global/public IP address that was not yet accounted for above:
7c	Attach a network diagram if requesting a /26 or larger block
8a	Product and Circuit info for this request. Ziplly Fiber Sales Engineer, provide details why DIA of some nature is not being sold given the large subnet size being requested:
9a	Can you use IPv6?
9b	What is your deployment timeline for IPv6 integration?
10a	Domain list:

**Static IP Assigned Addresses**

Static IP address assignments are available on the due date (FOC) of the broadband order. Contact the [Local Carrier Services Center](#) to get IP Address assignment information.

## Revisions

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This chart provides information about changes to this document.

Date	Detail

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