Smallest RIPE NCC Allocation / Assignment Sizes

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This document contains the size of the minimum and default allocations made by the RIPE NCC to Local Internet Registries (LIRs) and End Users from IPv4 and IPv6 CIDR blocks allocated to the RIPE NCC by the Internet Assigned Numbers Authority (IANA).

"Default allocation" refers to the amount of addresses, in prefix notation, that are allocated to LIRs by default.

"Smallest assignment" refers to the size of the smallest assignment, in prefix notation, made by the RIPE NCC to an End User.

Allocations or Assignments smaller than the default size have been made to users requesting Provider Independent (PI) IPv4 address space.

Small IPv6 blocks have been assigned to Internet Exchange Points (IXPs) under the interim policy allowing this.

Routing decisions for blocks of address space are the sole responsibility of network operators. However, network operators taking routing decisions based on prefix length are requested and encouraged to route at least blocks of sizes corresponding to the "default allocation" and larger.

Users to whom small blocks (smaller than the default allocation size) of PI IPv4 addresses and IPv6 assignments to IXPs are given out are always notified that network operators throughout the Internet may choose not to route, or may filter, small address blocks if they are not aggregated into larger blocks.

IPv4 CIDR block	Default RIPE NCC Allocation	Smallest RIPE NCC Allocation / Assignment
62/8	/19	/19
80/8	/20	/20
81/8	/20	/20
193/8	/19	/29
194/8	/19	/29
195/8	/19	/29
212/8	/19	/19
213/8	/19	/19
217/8	/20	/20

IPv6 CIDR block	Default RIPE NCC Allocation	Smallest RIPE NCC Allocation / Assignment
2001:0600::/23	/35	/48
2001:0800::/23	/32	/35

Table 1. *Allocation/Assignment sizes in CIDR blocks held by the RIPE NCC.*