

# IPv6 CE Routers LAN Prefix Delegation

IETF 119 (v6ops)

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# Problem Statement

- Many ISP will assign a prefix larger than /64 to the CE Router, as recommended in [RFC6177]. If an IPv6 CE Router doesn't support IA\_PD on the LAN it will not be able to assign any prefixes beyond itself, limiting the usefulness of assigning prefixes larger than /64. Supporting IA\_PD on the LAN interfaces will allow for those unused prefixes to be distributed into a network.

# Changes since 118

- Removed the flat and hierarchical requirements.
  - Reason, is focused on the CE Router, not internal routers.
- Reduced hierarchical text, now it's just referenced.
- Defaults prefix length of 64, so supports flat model by default.

# Next Steps

- Do we want to document need to document what internal routers should do.
  - DHCPv6 Relay?
- Working Group Last Call?