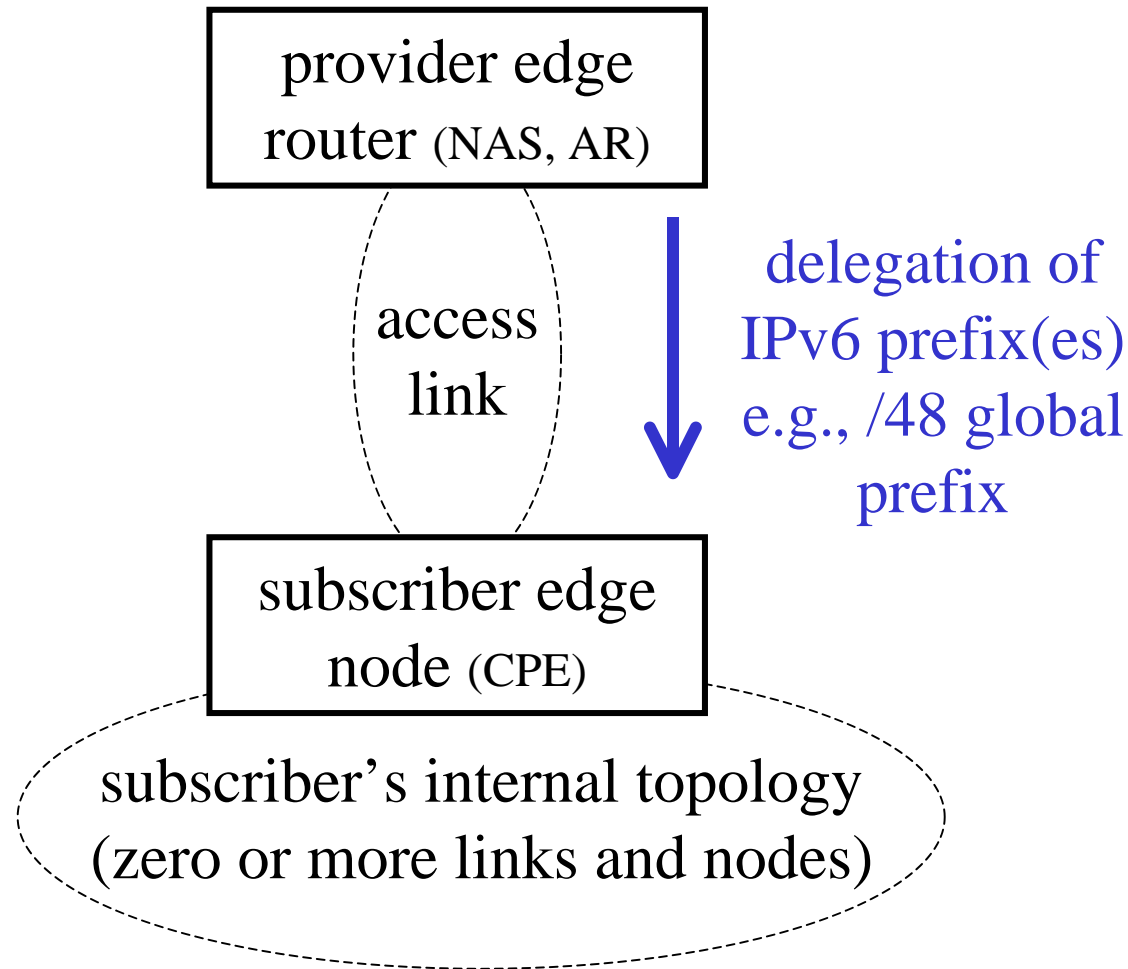


Automatic Prefix Delegation Problem



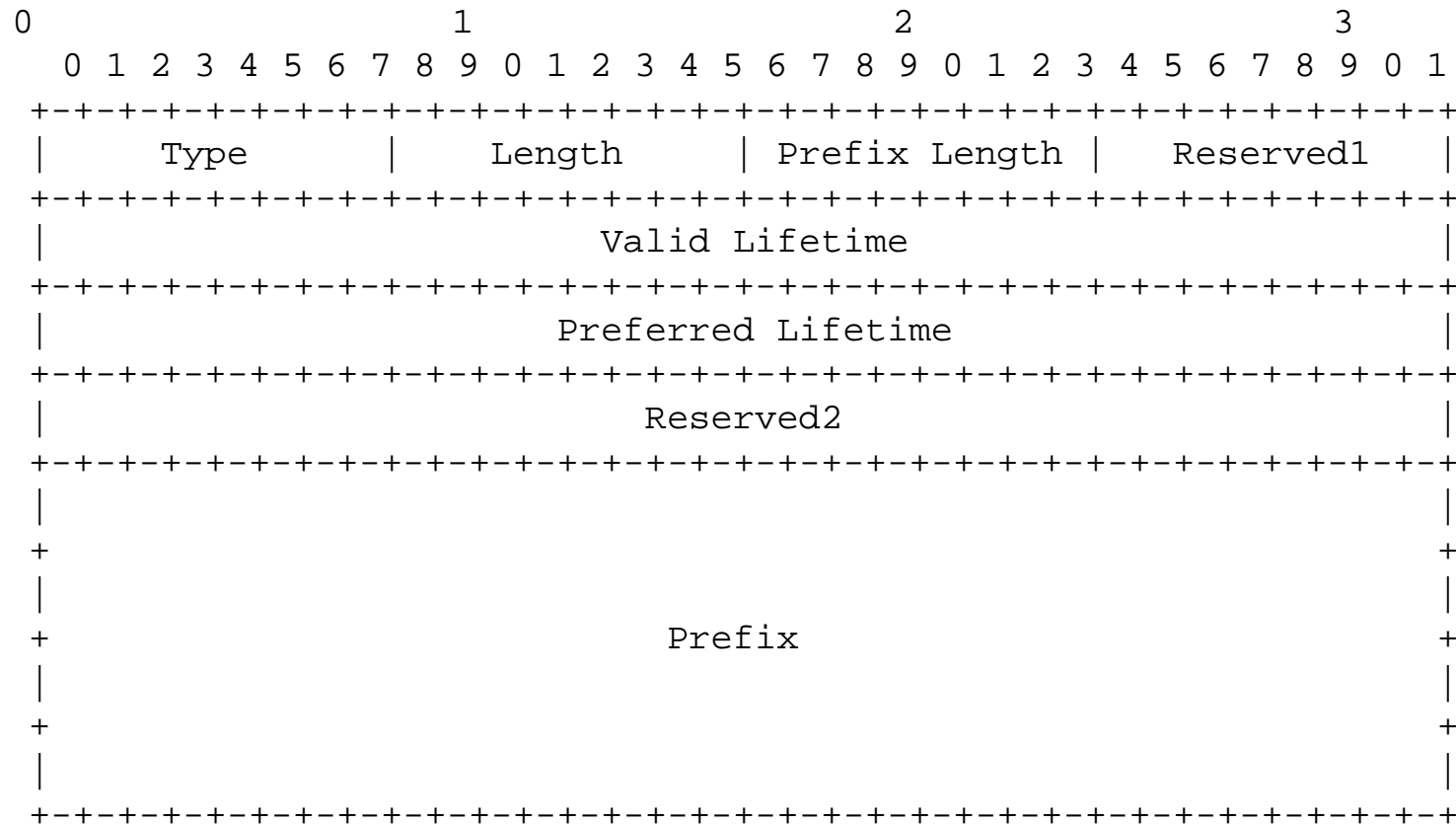
Results of Discussion and Poll at Redmond Interim Meeting (May, 2001)

candidate solutions (votes):

- Router Renumbering (0)
- DHCPv6 (0)
- PPP extension (1)
- normal RAs on access link (many)
- ICMPv6 [Haberman/Martin APD proposal] (many)

IPv6 Router Advertisement Prefix Delegation Option

draft-lutchann-ipv6-delegate-option-00.txt



Properties

- intended only for point-to-point access links, e.g., PPP (native or over-foo) or IP tunnel
- intended only for sites with a single access link and a single router
(but possibly internal multiple links)
- elicited by Router Solicitations on link establishment, and repeated periodically
- use of lifetime fields allows either static or dynamic prefix allocation

Reconsideration of candidates in light of new/revised proposals

candidate solutions (votes):

- Router Renumbering ()
- DHCPv6 ()
- DHCPv6 subset ()
- PPP extension ()
- normal RAs on access link ()
- ICMPv6 [Haberman/Martin APD proposal] ()
- RA extension [Lutchansky proposal] ()

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