



Requirements for IPv6 prefix delegation

<draft-ietf-ipv6-prefix-delegation-requirement-00.txt>

for IETF-55th at Atlanta, Nov.2002

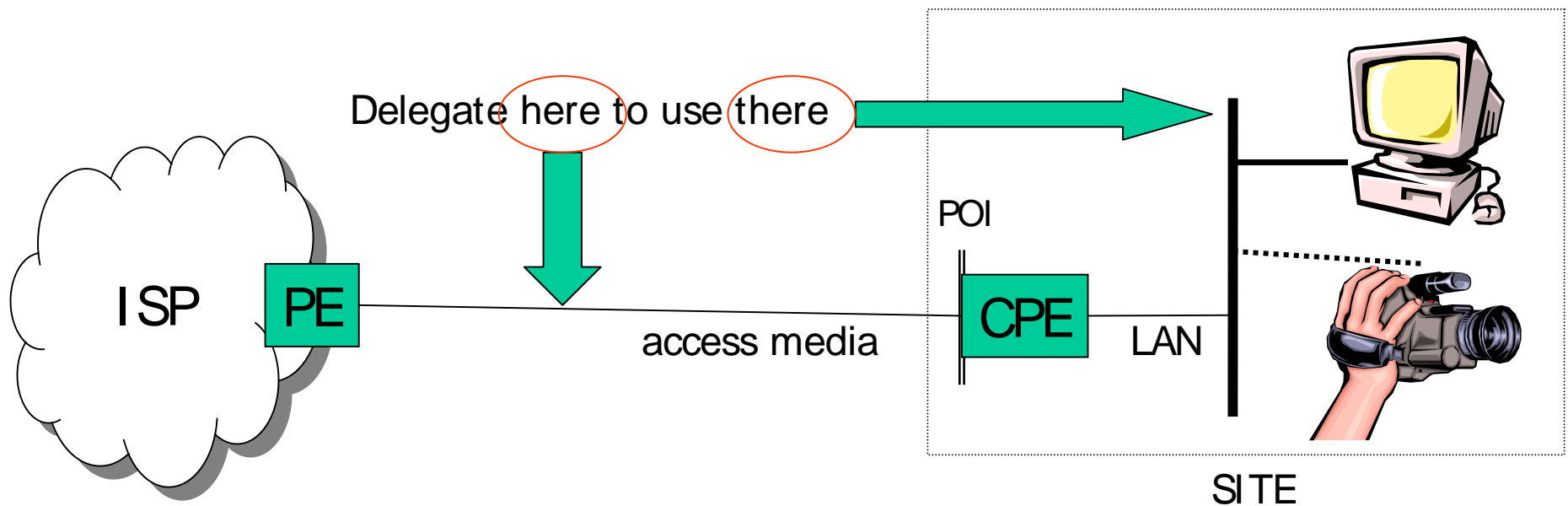
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Background (again)

- An IPv6 ISP would like to assign one or more address prefix(es) to an user's site over the access line automatically (without any user actions) to implement commercial service like ADSL.



PE: Provider Edge (ex. access concentrating router)

CPE: Customer Premises Equipment (ex. SOHO router)

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- Original draft (presented at Yokohama) is now WG item
- Please give me input to finish this as quickly as possible
 - Before San Francisco IETF...

Issues discussing

- Layer 2 considerations
 - Should be L2 independent
- Accounting and logging consideration
- Kinds of prefixes (Dynamic / Static)
- Not just /64 but up to /48 prefix
- Negotiation between ISP and site

Some minor addition to updated draft

- Considerations about scalability
- Treatment of life time of the prefix (from ML, should be added)
- Security considerations especially for Cable modem (from WG discussion)

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