DHCPv6 Prefix Delegation for NEMO
`draft-ietf-nemo-dhcpv6-pd-01`

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Background

- Draft specifies use of DHCPv6 PD for assigning prefix in mobile network

- Assumes:
  - DHCPv6 service in home network
  - MR is DHCPv6 client
  - DHCPv6 PD unchanged from RFC 3633

DHCPv6 PD and Relay Agents

- RFC 3633 does not define use of DHCPv6 PD through a relay agent
  - DHCPv6 messages can be forwarded
  - How does relay agent install routes?
- Nemo needs relay agent function; e.g., for centralized DHCPv6 PD service through multiple HAs
- dhc WG is addressing issue (for DOCSIS 3.0)
- DHCPv6 PD in mobile network scenario can use dhc WG solution or MR registration

Choosing an HA

- MR may have several HAs to choose from

- Only some may provide DHCPv6 service

- Proposed solution: add bits to DHAAD to request and advertise DHCPv6 service

Changes to Rev -01

- Dropped specification for delegating access prefixes

- Added text specifying use of dhc WG route injection or MR registration solution for DHCPv6 PD relay agents

- Added text proposing bits for requesting and advertising DHCPv6 service

- Added rapid commit and described use of DHCPv6 or other configuration in parallel with PD

Question?

- Ready for WG last call?