

Homenet Design Team

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Proposed Next Steps for Design Team

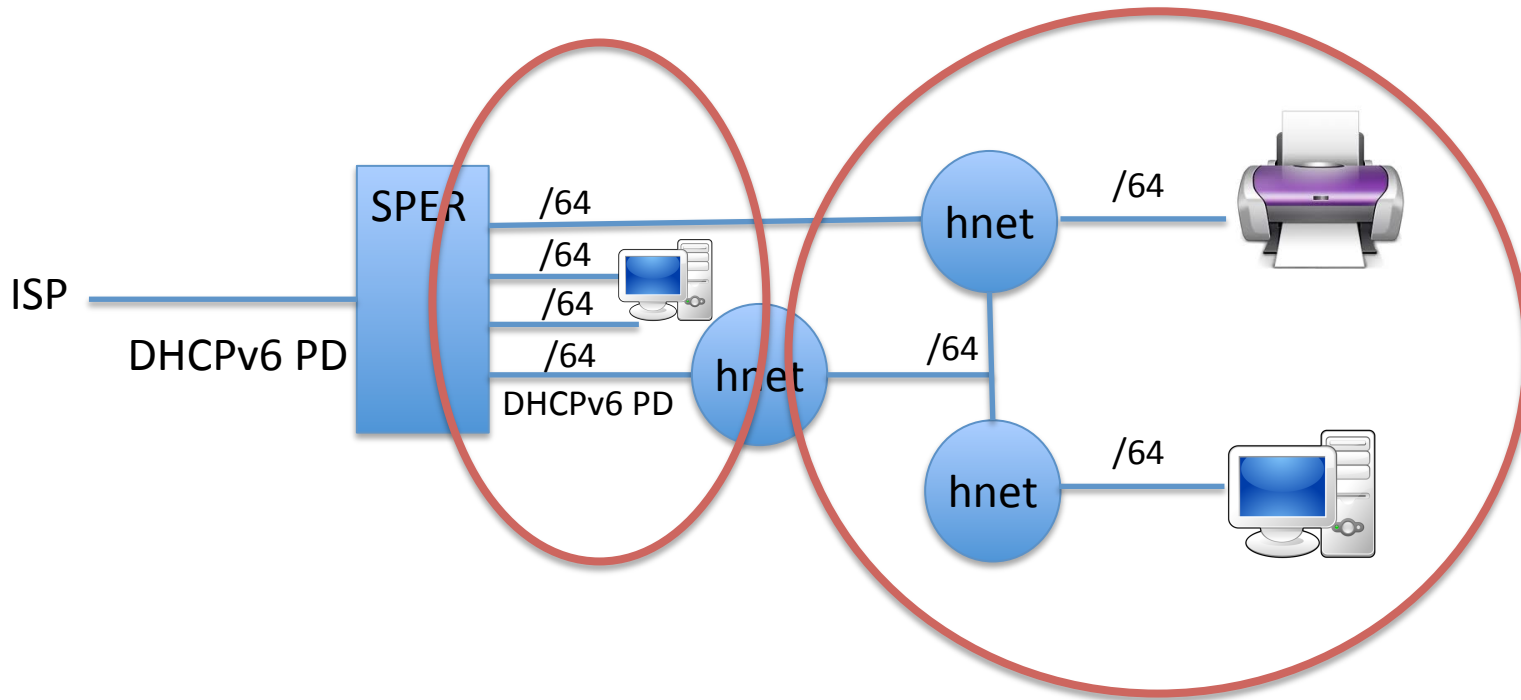
- Long term WG Goal:
 - IGP-based solution == “Homenet”
- Short Term Design Team Goal:
 - Identify 7084, SPER and Homenet scenarios.
 - Document the behaviors in multiple topologies.

Updates to draft

- Added networking topologies pictures.
- Updated from 6204bis to RFC 7084.
- Added the SPER CER-ID functionality as a method for identify itself to the Homenet as a border router (rather than an ISP router)
- Documented Homenet to SPER scenario.

SPER to Homenet

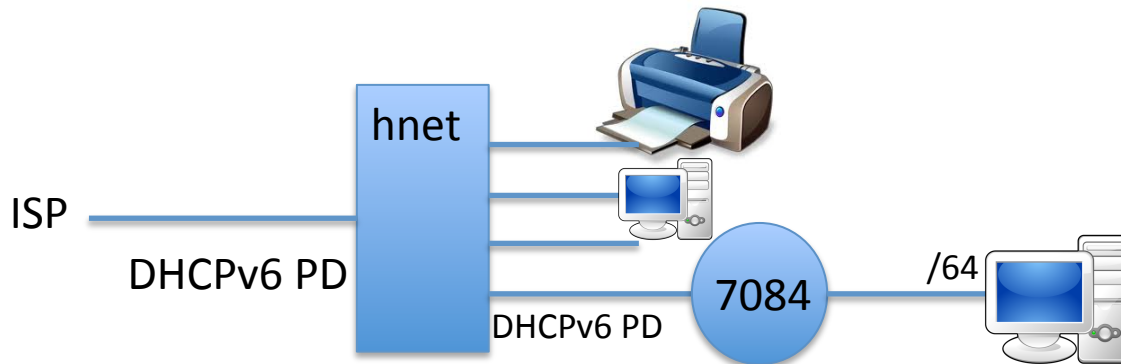
Service Provider Edge Router, PD on LAN side



Addressing and Routing can work. Border Discovery can work automatically if a DHCP option such as CER-ID is used to allow SPER recognition. User Configuration will also enable this.

Homenet to 7084

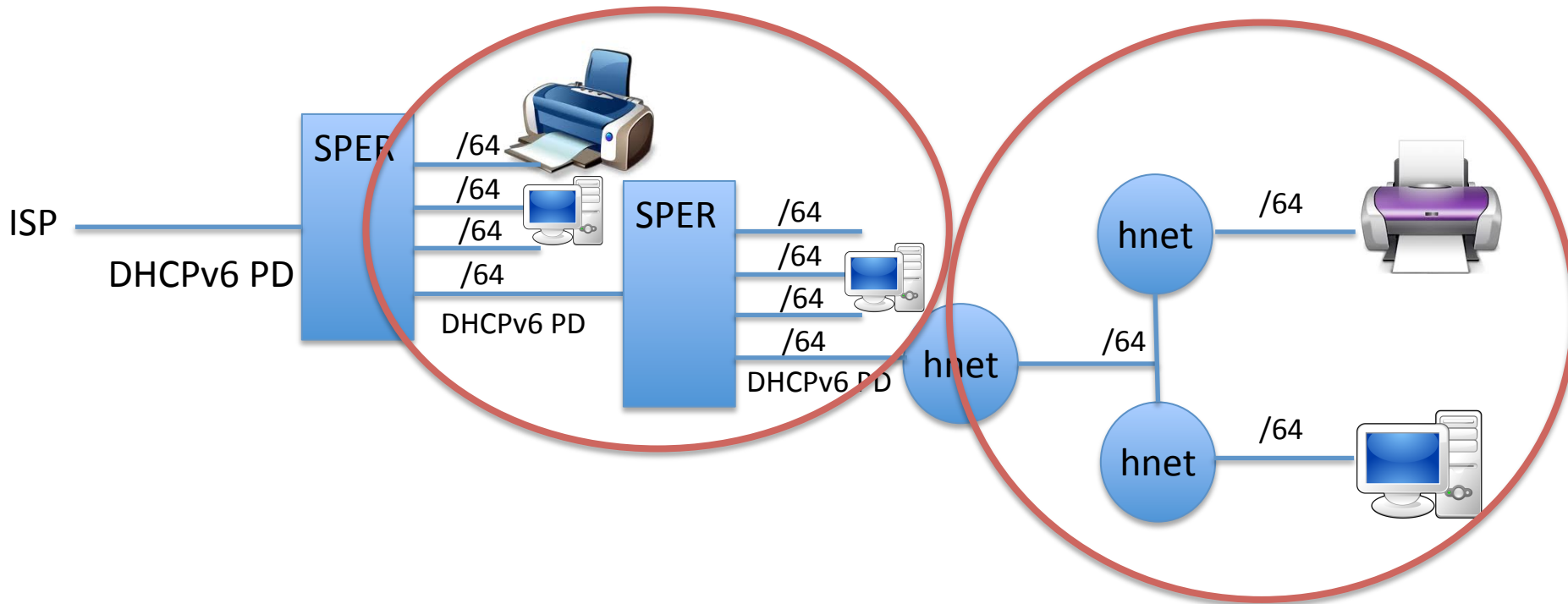
Homenet edge, with 7084 interior router



This requires homenet gives out an IA_PD to the 7084 Router when requested. Border Discovery needs to the ability allow devices assigned address from the IA_PD to access the network.

Multi-layer SPER

Don't try this at home!



This scenario needs to be avoided due to border discovery incompatibility.