



ISP IPv6 Deployment Scenarios in Broadband Access Networks

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Goals:

- Cover different broadband technologies (Cable, DSL, Ethernet, Wireless and PLC/BPL)
- Provide detailed information on native IPv6 deployment issues as well as coexistence with IPv4
- Present existing scenarios as well as alternatives that would be better suited for services such as multicast
- Gap analysis

Updates:

- Document is in its third revision. Last changes driven by comments received during Last Call
- Updated IPv6 Tunnels through Routers with NAT references (section 5.2)
- Clarified the provisioning challenges for the deployment models in sections 7.2.1.2, 8.2.1.2
- Restructured the discussion on the lack of mechanisms for RP redundancy (7.3.1)
- Renamed sections 9.1.1 and 9.1.2 to better reflect the content
- Updated section PLC section to provide the IPv4 perspective (similar to section 8)

Updates (cont'd):

- Clarified text in the PLC sections: 10.2.1, 10.2.3 and 10.6
- Clarified the Edge Router nomenclature in point B of the "Gap Analysis"
- Updated point I from the "Gap Analysis" section to better explain the provisioning challenges faced and possible solutions
- Added point K to the "Gap Analysis" with further topics of interest based on broadband deployment research:
 - Network Service Selection & Authentication (NSSA) and stateless auto-configuration
 - Updating Router Advertisements with info used in prefix selection in multi-ISP/multi-homed environment



draft-ietf-v6ops-bb-deployment-scenarios-03.txt

Next Steps:

- Any other comments?
- The Last Call was completed and would like to move the document to the next phase