

# Mobiles IPv6 Networks in 2015

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Telstra Unrestricted

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- Deployment is progressing globally and we are now seeing some consumer networks with IPv6 deployed.
- Telstra has been testing for some time, and are also planning to launch a pilot shortly.
- There are common issues that have been identified which require discussion and consideration with other carriers to ensure the growth of IPv6 usage continues in Mobile environments.

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- Dual Stack
- Single Stack
  - NAT64 + DNS64 + 464XLAT
- Hybrid
  - NAT64 + DNS-HD + 464XLAT

# Questions for the future

- International Roaming will be stuck on IPv4 – there are too many unknowns
- IMS/VoLTE will be IPv6, but a whole heap of other questions then arises since it uses Data
- Tethering
  - No defined solution available in an RFC
  - Requires 3GPP R10 which includes DHCP-PD
  - There are other methods, but realistically, carriers need to collectively push for a resolution soon for a DHCP-PD solution and release for EPC.
  - /60 to UE, tethered devices receive /64.

# Questions for the future

- Continued 464XLAT support
- Roadmap to transition to Single Stack for Dual-Stack only UEs
- CDN native IPv6 local support
- NAT64 ALG improvements

# Q&A

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