

IPv6 Deployment Survey (Residential/Household Services)

How IPv6 is being deployed?

Jordi Palet

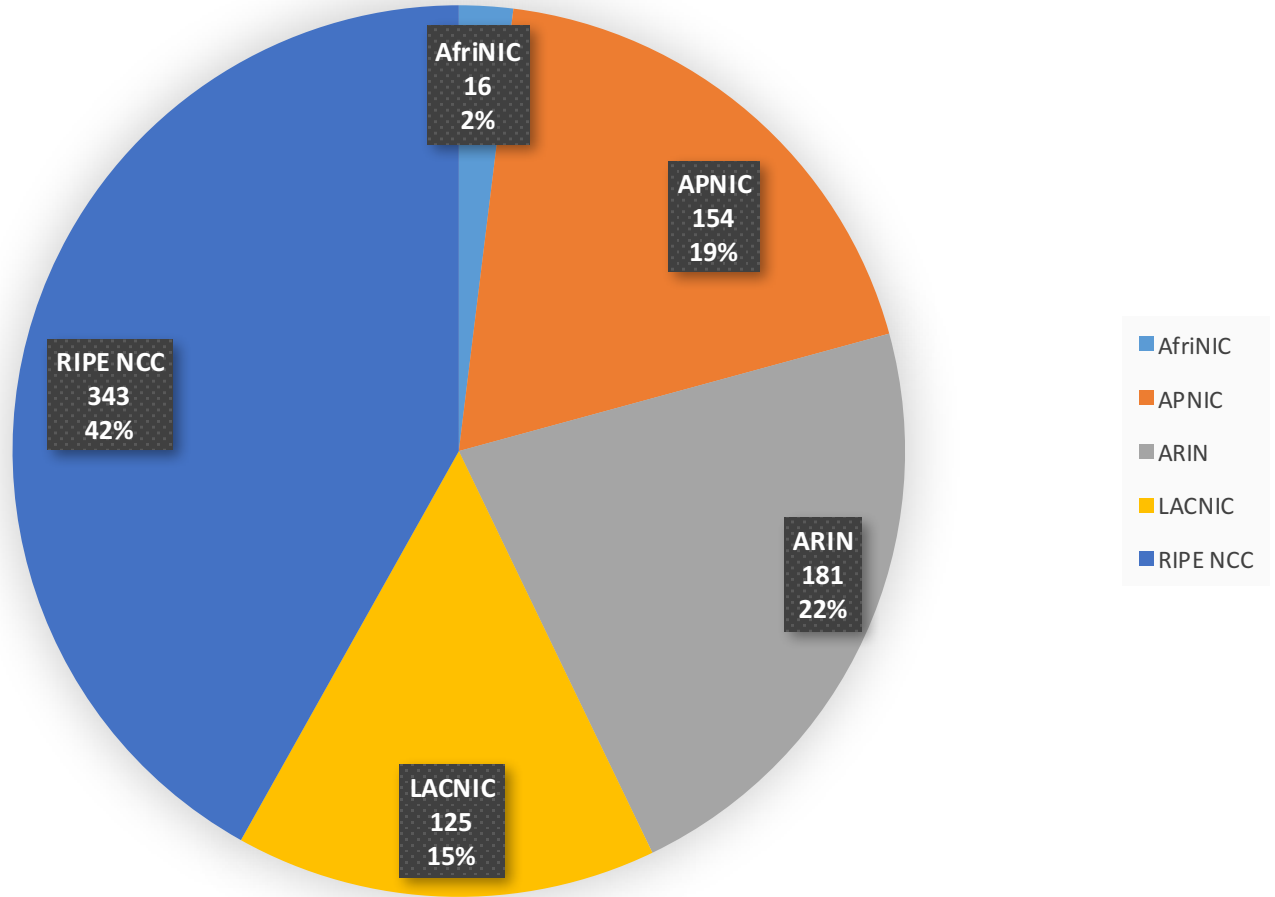
(jordi.palet@consulintel.es)

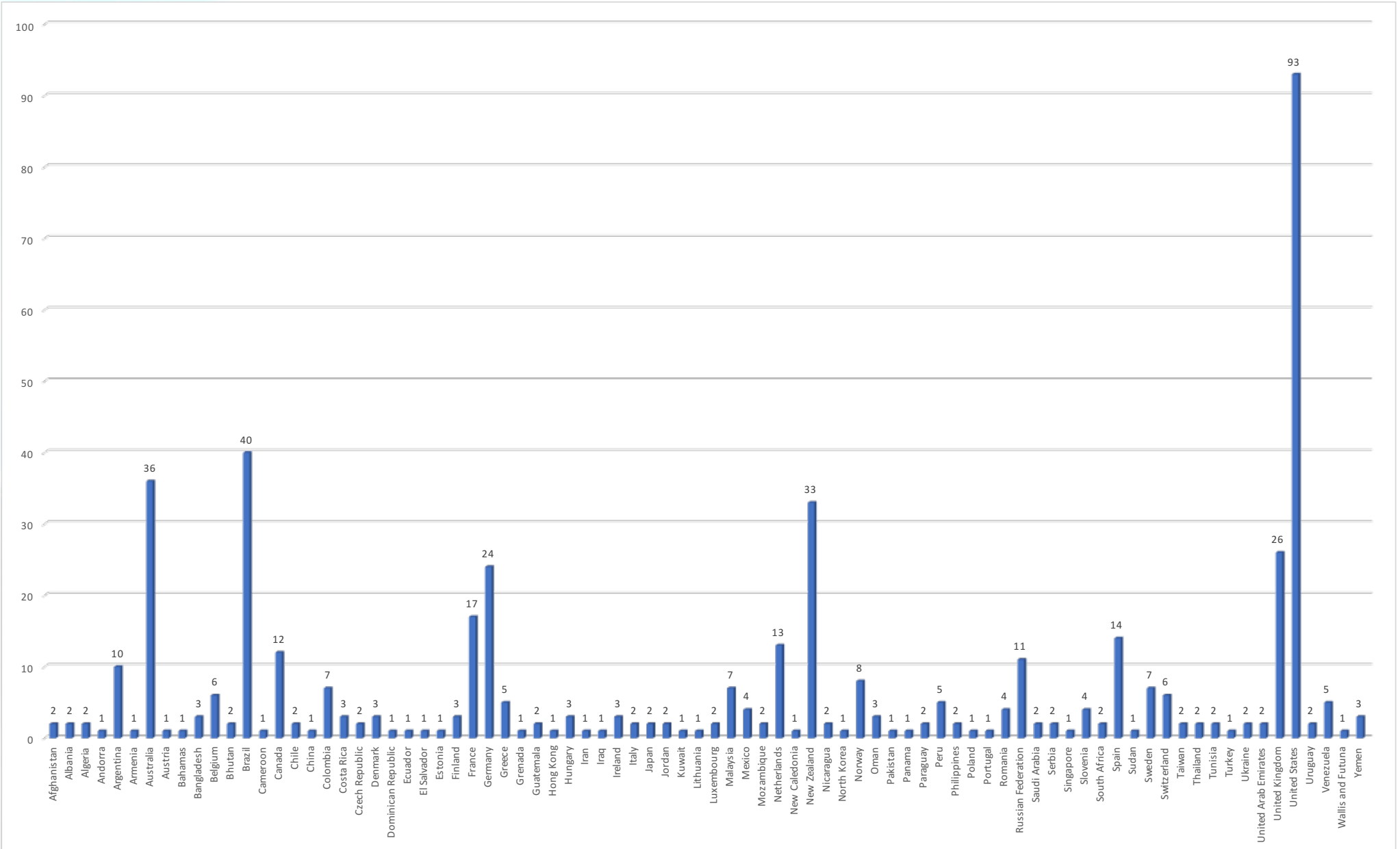
Consulintel, CEO/CTO

Survey Contents

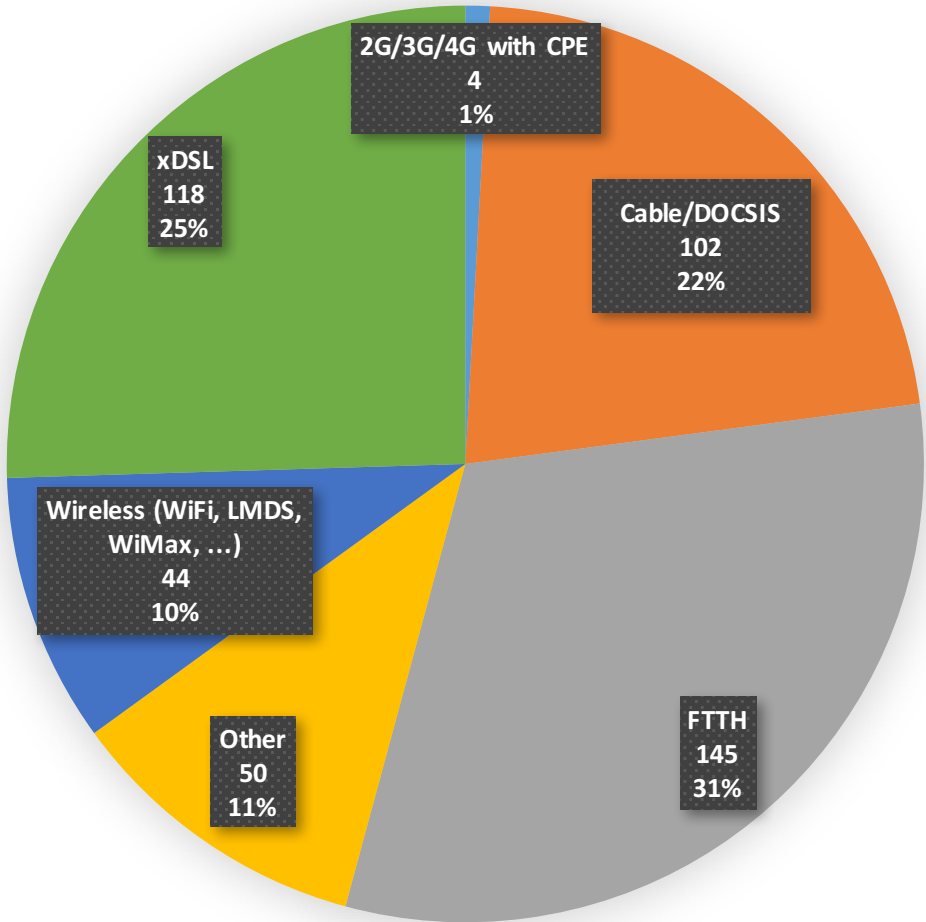
- Basic ISP data (name, country, RIR)
- Technology of the customer link
- Is it a commercial service or a “pilot”
- IPv6 WAN link
- IPv6 customer addressing
- IPv4 service
- Transitioning and provisioning
- IPv6 DNS services
- Other data (optional contact details)

RIR



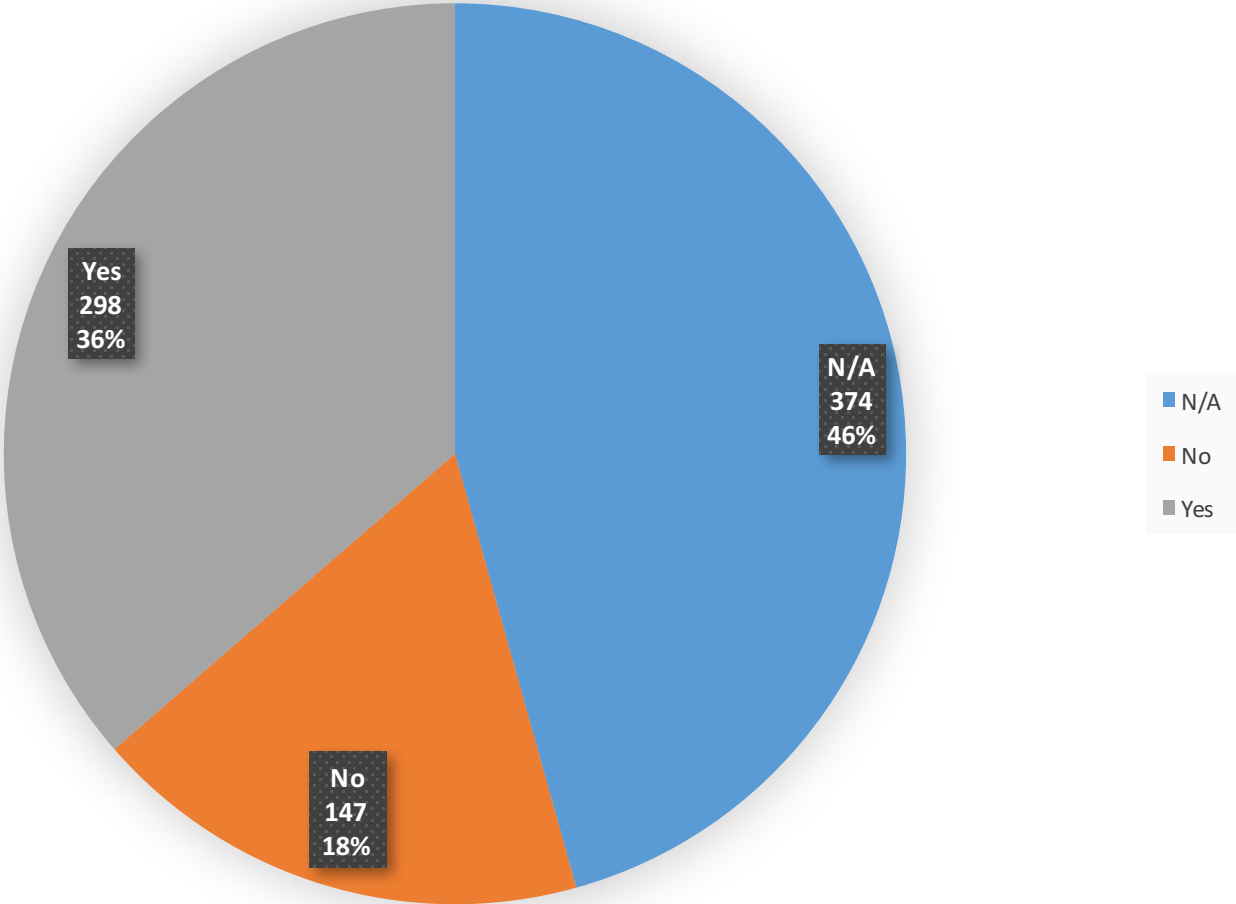


Technology

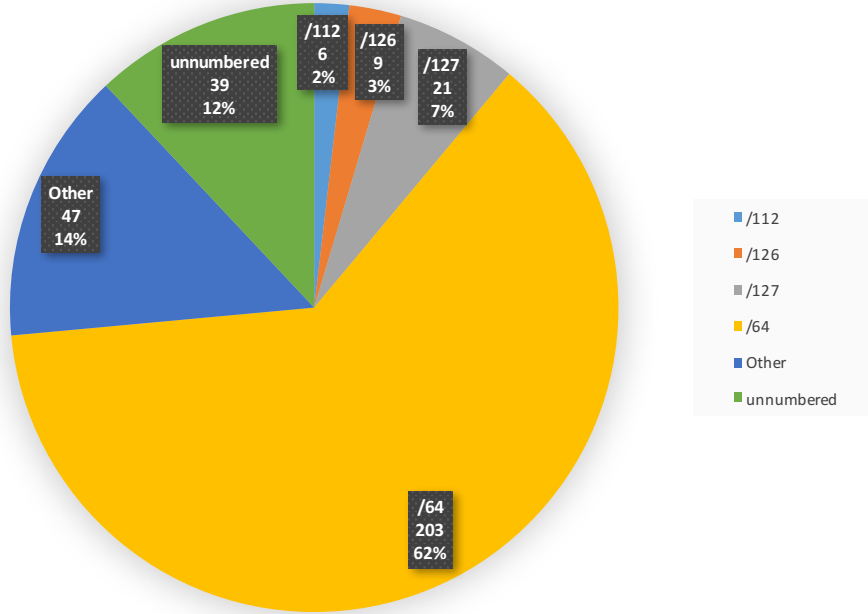


- 2G/3G/4G with CPE
- Cable/DOCSIS
- FTTH
- Other
- Wireless (WiFi, LMDS, WiMax, ...)
- xDSL

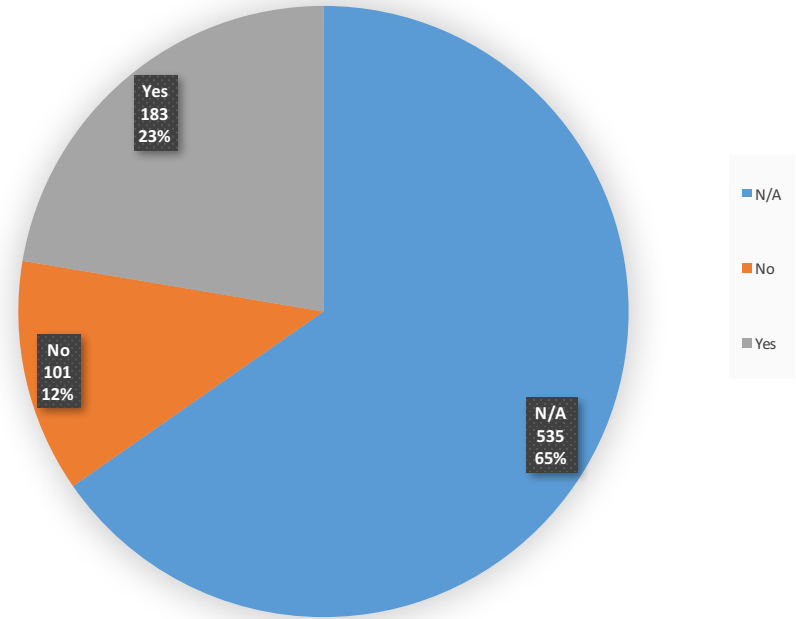
Is IPv6 already a commercial service?



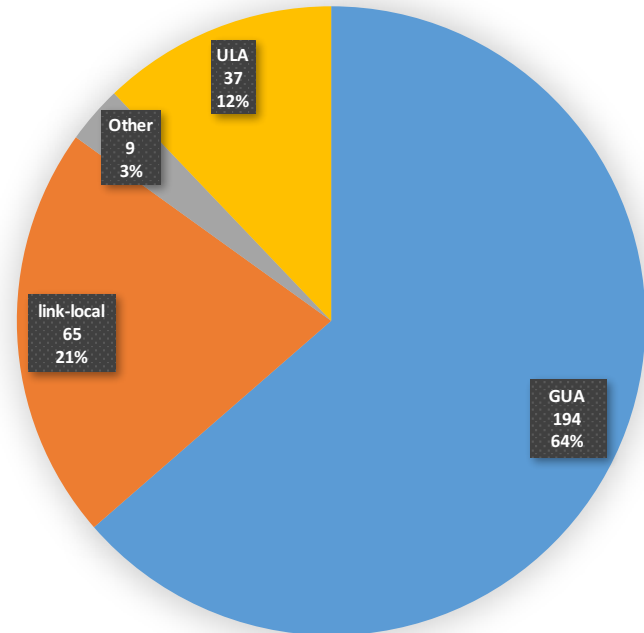
WAN Prefix Size



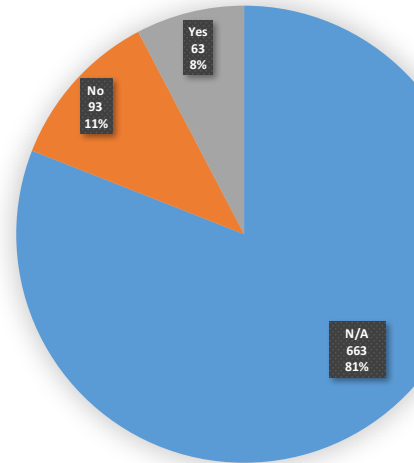
WAN Prefix Stable



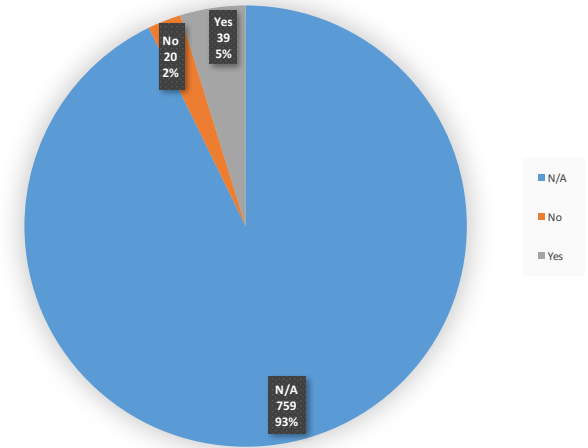
WAN Addressing Type



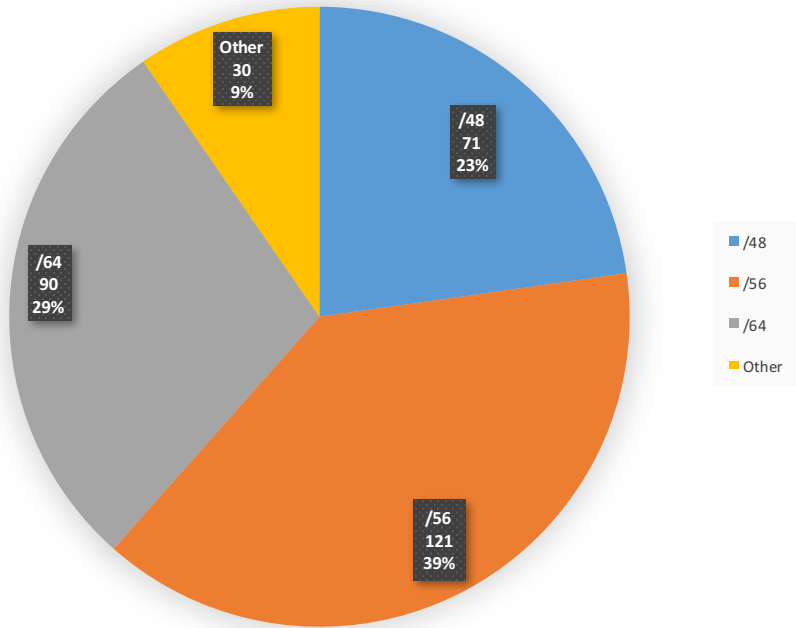
WAN from same pool as customer prefixes



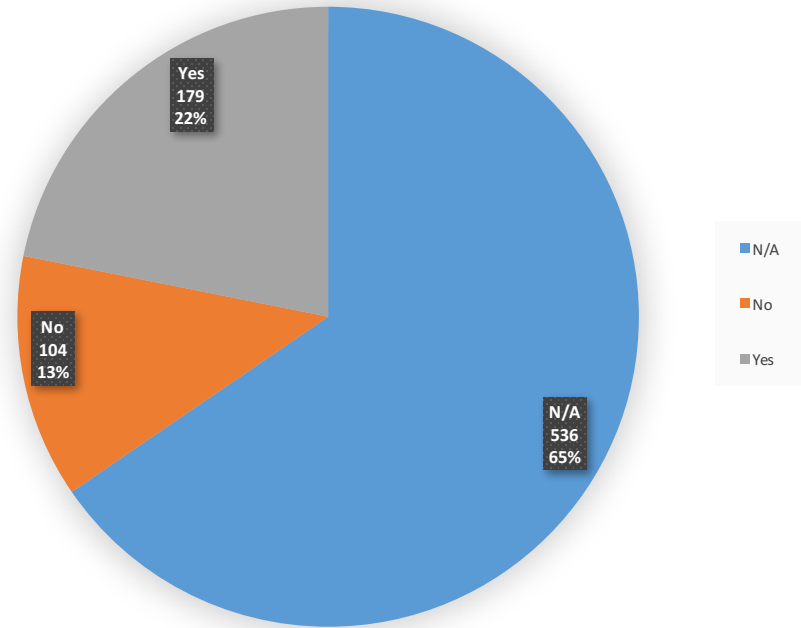
WAN /64 from customer prefix



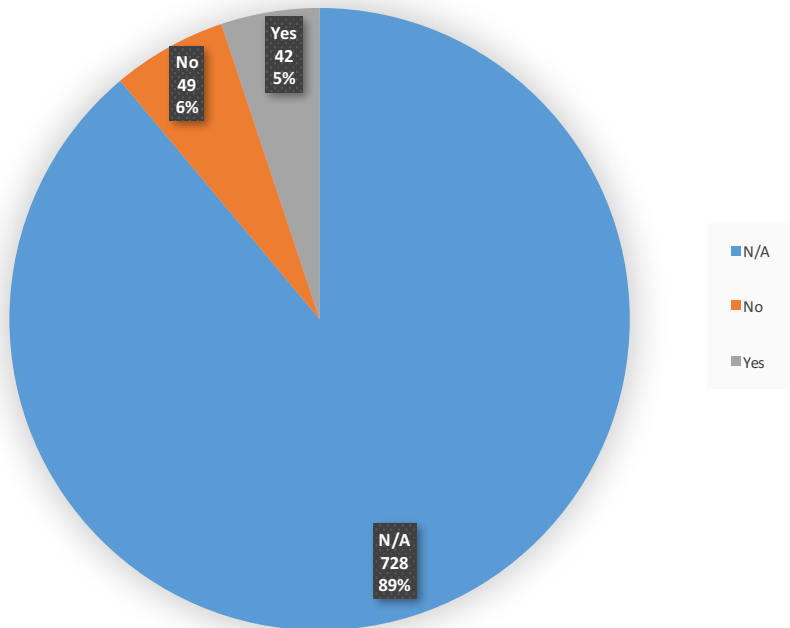
LAN Prefix Size



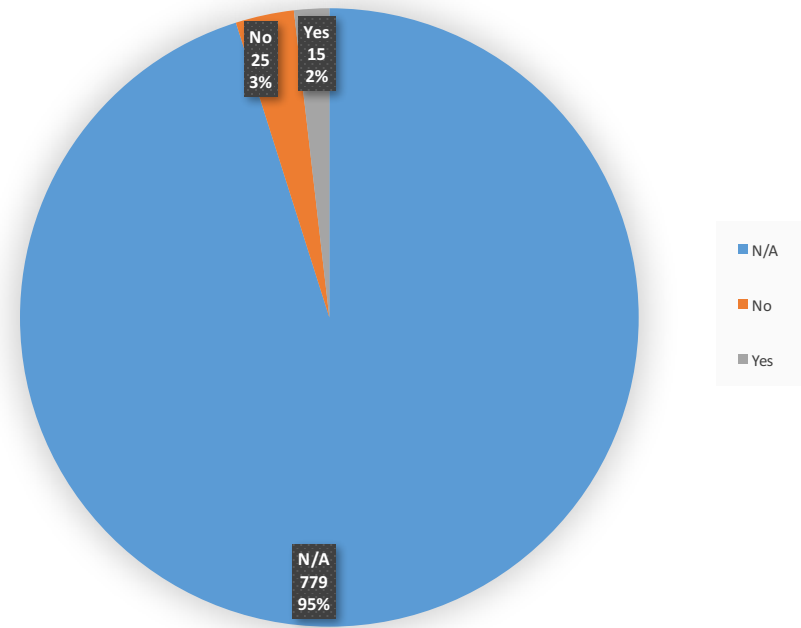
LAN Prefix Stable



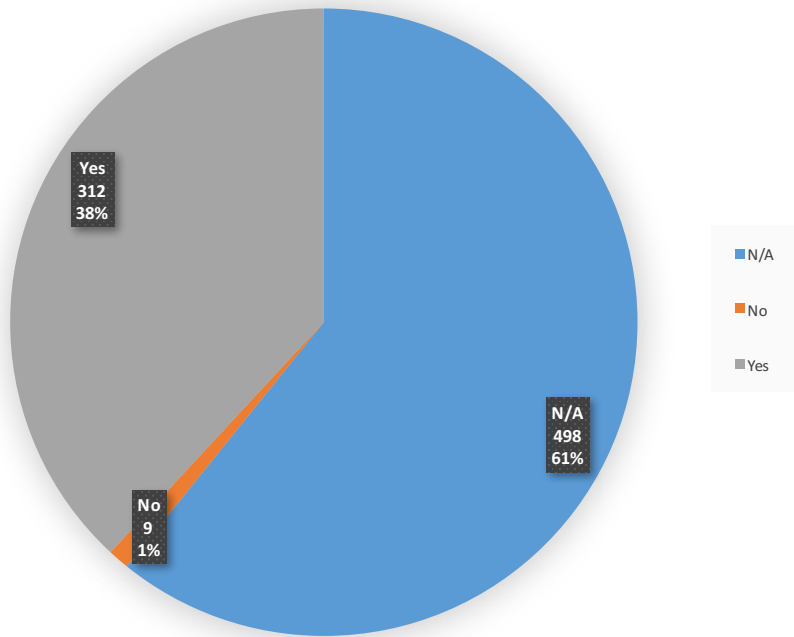
Can the customer opt to have it "stable"?



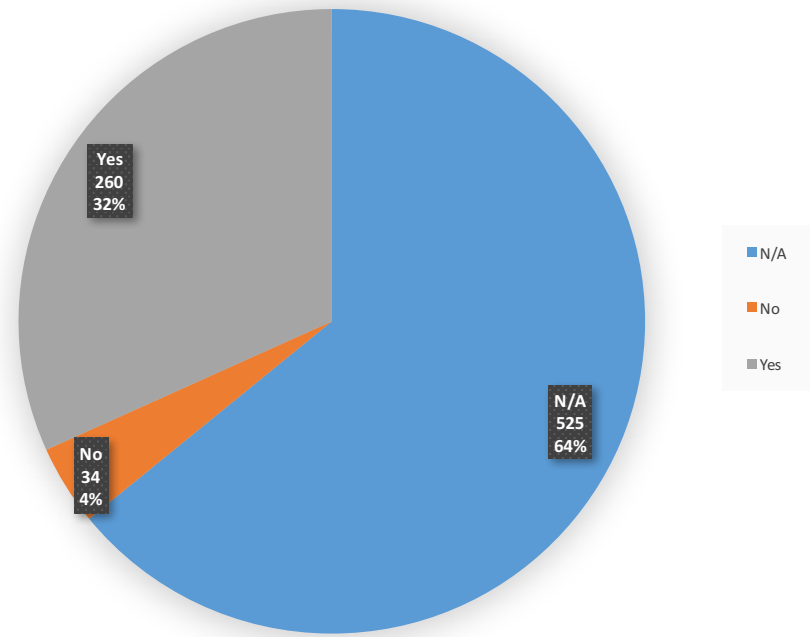
Extra cost (on top of stable IPv4)?



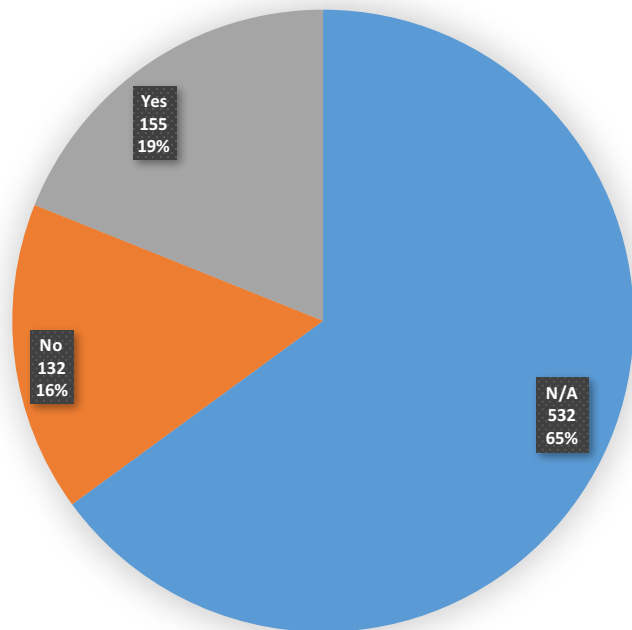
IPv4 service provided?



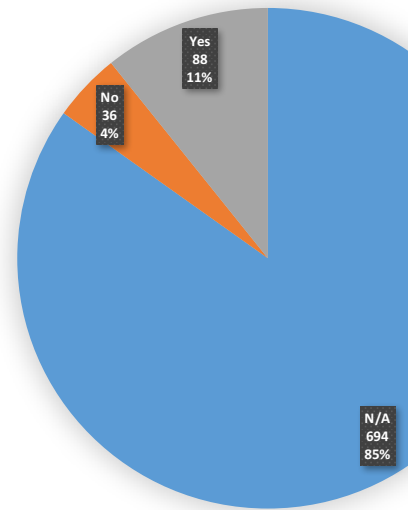
Public IPv4 address at CPE WAN?



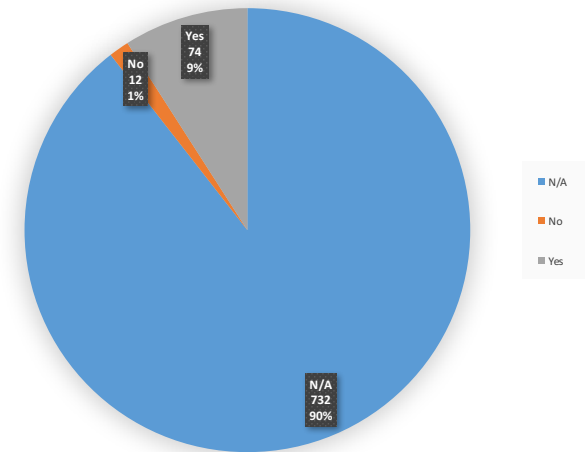
IPv4 address is "stable"?



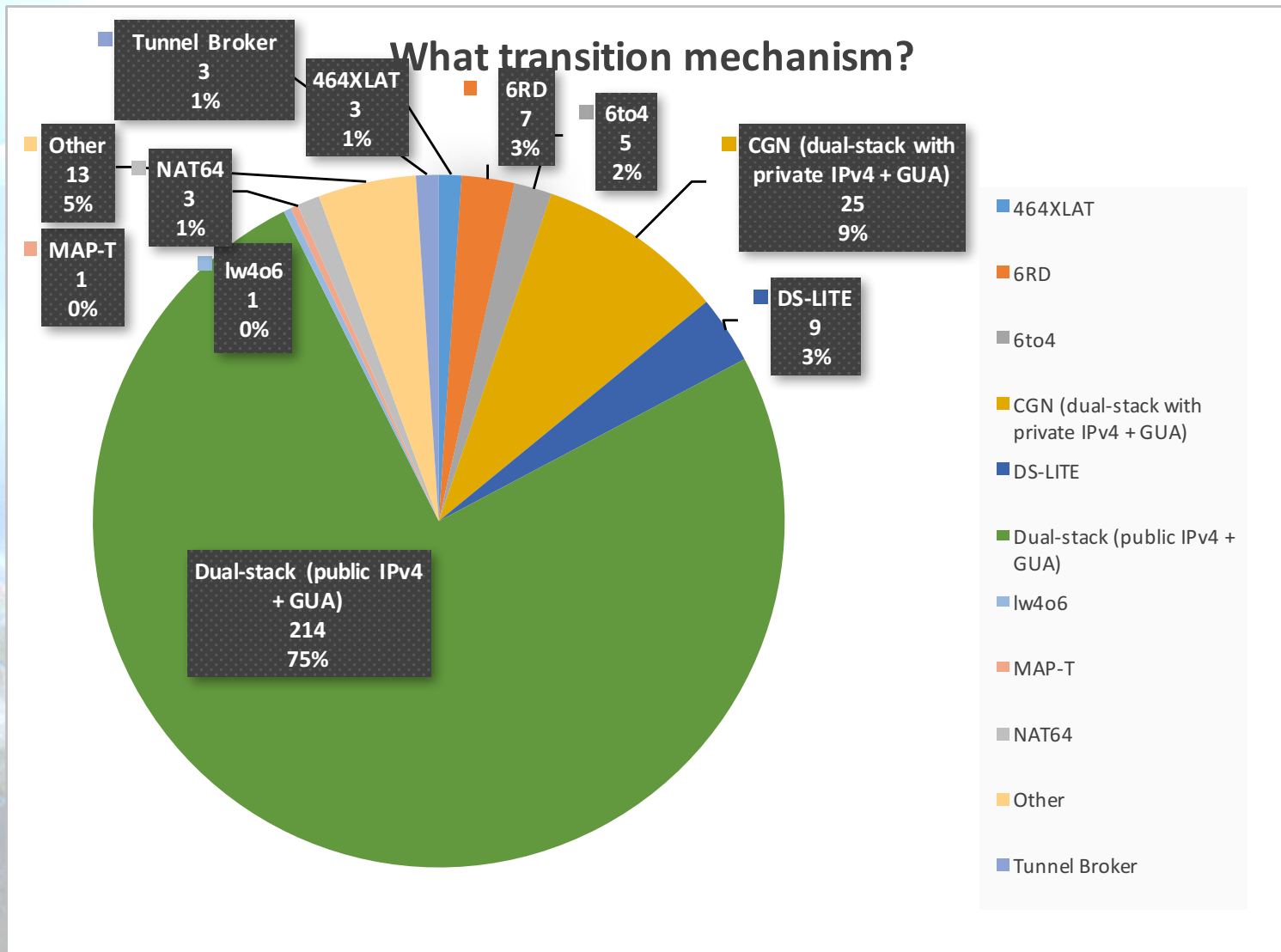
Can the customer opt to have IPv4 "stable"?



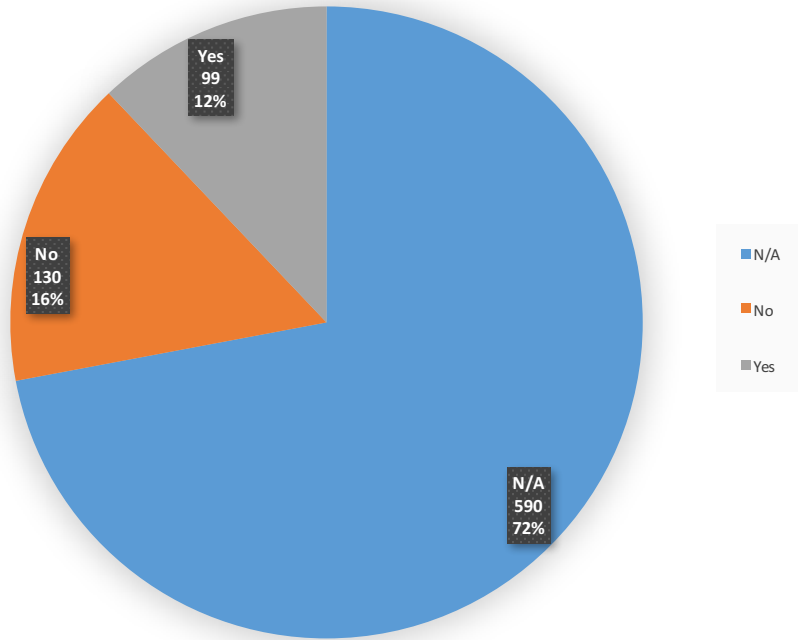
Extra cost for stable IPv4?



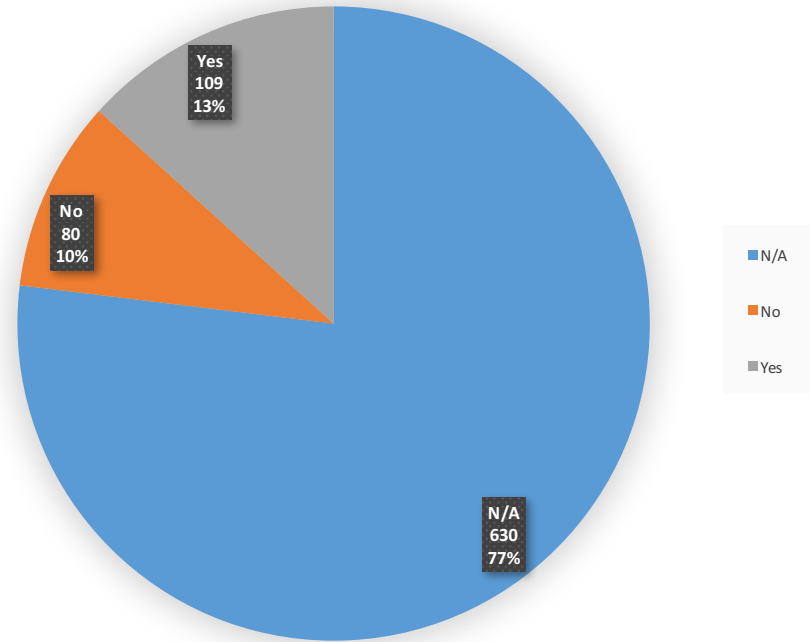
What transition mechanism?



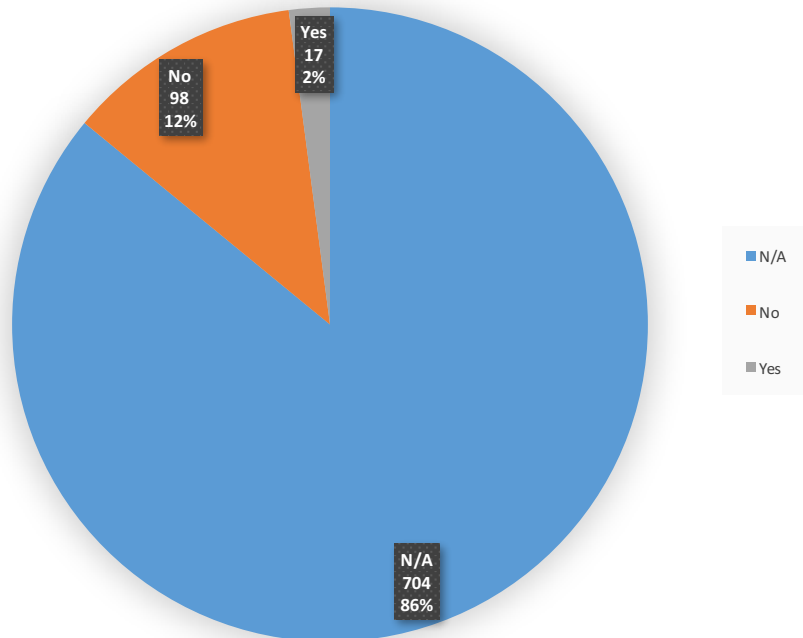
IPv6 reverse DNS?



NS Delegation for stable IPv6 prefix?



DNAME for non-stable IPv6 prefix for PTRs?



Conclusions

- In general “correct” deployment
 - Some exceptions
- Misunderstandings on IPv6 technology/marketing/other reason:
 - IPv6 prefix size
 - Stability of prefix
- More “advanced” countries seem to do it smartly, less “misunderstandings”

Thanks !!

Survey link:

<http://survey.consulintel.es/index.php/175122>

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