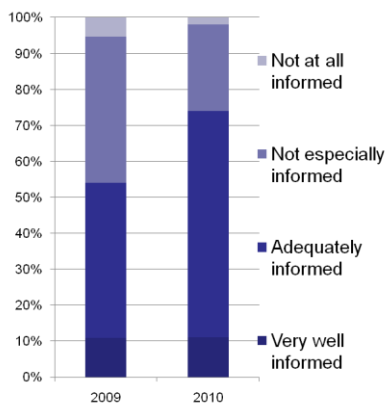


IPv6 Readiness Survey 2010

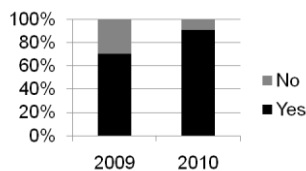
- 100 CIOs in NZ
- 46% response rate up from 37%
- 29% > 5000 desktops
- 74% public sector up from 60%
- 26% private sector down from 40%



Good news!



“A significant jump in those at least adequately informed to 74% from 54%”

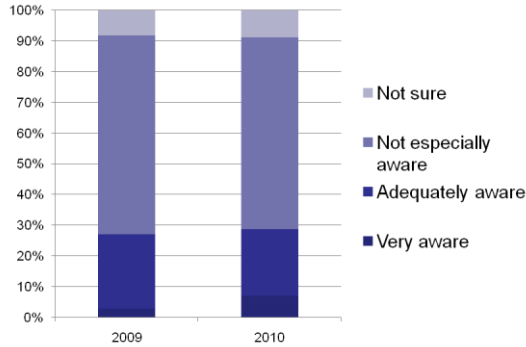


“91 percent were aware of the run-out predictions, up from 70%”

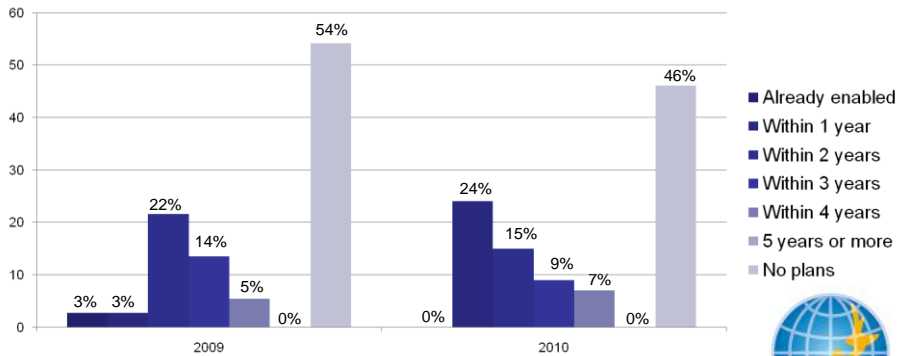


The not so good news!

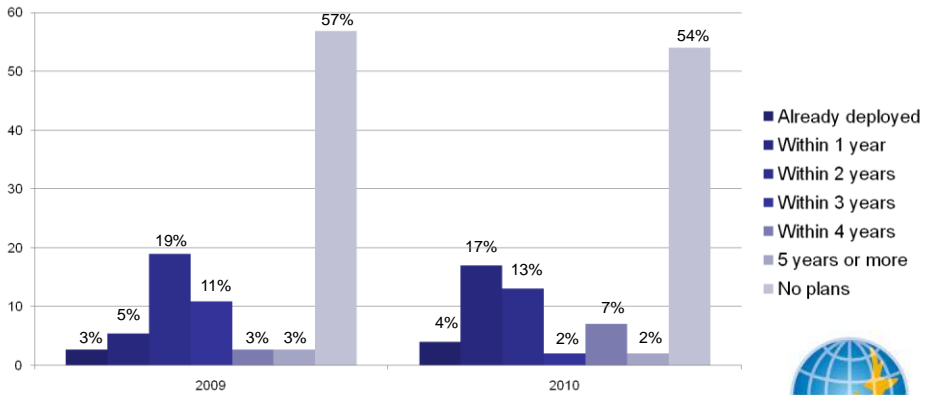
“Most management (71%) remain blissfully unaware of IPv6 as a risk or opportunity”



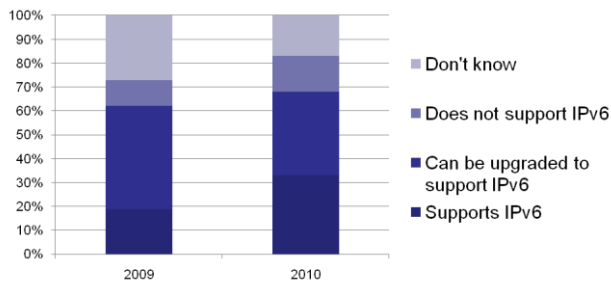
“Most have plans to implement IPv6 website / public Internet services, including email & DNS”



“Over half still have no plans for IPv6 on internal networks”



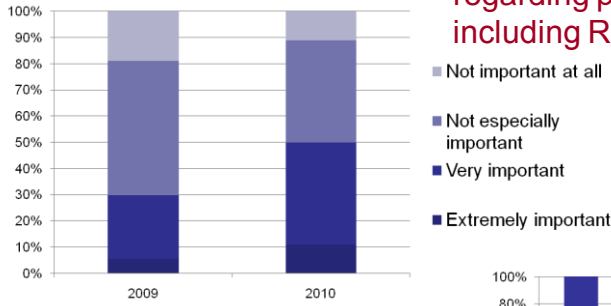
IPv6 Network Readiness



“More networks (68%) can now support IPv6 or be upgraded but still a few “don’t knows” and more that have identified they can’t”



RFPs and RFIs



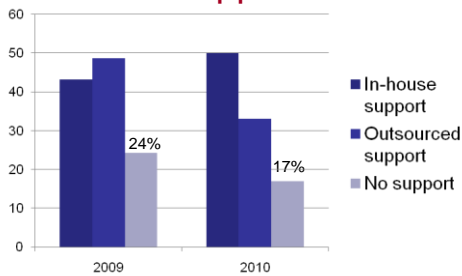
“For half, IPv6 is now a factor regarding purchasing decisions, including RFPs and RFIs”



“54% now include IPv6 in their roadmaps, up from 41%”



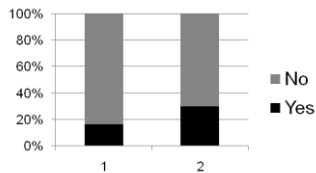
Network support



“Plenty of IPv6 skills / IPv6 network support, either in-house and/or out at 83% up from 76%”



Telco briefing



“70% say telco providers haven’t briefed them on their plans to support IPv6”



What benefits/difficulties have you encountered?

- DNS readiness. People understanding that problem and its implications
- **Many old in-house developed apps.**
- Exhaustion of the IPv4 address space will not affect internal ops for a long while but fragmentation of that address space will complicate data exchange
- **Vendor equipment had all the commands to configure, but did not actually support IPv6.**
- High cost of equipment.
- **Overcoming educational issues, fitting it in with other priorities**
- Getting the technical staff up to date across the faculties.
- IPv4 to V6 interworking.



What would help speed up your IPv6 deployment

- Talking to our Outsourced Vendor
- **A business driver or benefit, or being forced to by a provider**
- Greater industry awareness and communication
- Understanding of the risk/issue
- **More information about IPv6 at technical and senior management level on the potential impacts, costs, benefits, and training available**
- Understanding how this could/will impact on organisational capability
- Improved solutions governance. Defined plan for asset renewal for older applications.
- **New public-facing business or service opportunities.**
- Router/switch upgrades (any new kit already requires IPv6 compatibility).
- **Better support from home ISP's.**
- IPv6 consideration in all-of-government infrastructure initiatives.
- Supplier-led initiatives to offer mobile IP network services on IPv6 with address translation
- An escalation in the need to roll it out earlier. We're working to a plan, plus we have heaps of IPv4 addresses, so the need will be driven by external parties
- Commitment of funds to a LAN upgrade
- More information in mainstream media to raise awareness at senior management level. Making management more aware in IT and business publications



Other comments

- **Organisations need to understand how IPv6 affects them. We recognise the issue as initially being external facing web sites**
- What is IPv6 !!! ???
- **We have an allocation of IPv4 addresses that more than met our needs and internally we use private addresses so don't know why we need to change? I imagine that we may look to change when we do a PC refresh in 2 - 3 years.**
- RFC 1918 generally means that traditional enterprise networks are not a strategic focus for IPv6... .. better-understood NAT+RFC1918 solutions are likely to prevail instead
- **Don't think IPv6 implementation and the lack of IPv4 addresses will be an issue for large organisations like ours.**
- the key for us will be the adoption rates and the effect of IPv4 addresses running out has on smaller organisations that we deal with and on ISP's
- **One of the most important security aspects is the challenge of making sure that every thing we do for IPV4 we are able to do for IPV6**



www.ipv6.org.nz