

RIPE

# IPv6 Highlights

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# IPv6 Working Group

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- Outreach
- Education
- Sharing deployment experiences
- Discussing and fixing operational issues
  
- Mailing list: [ipv6-wg@ripe.net](mailto:ipv6-wg@ripe.net)



# IPv6 CPE Survey

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- Evolved from a working group presentation at RIPE 60 in Prague
- Found a home on RIPE Labs
- Trying to collect operational data on which home network devices support IPv6 and how good they are



# IPv6 CPE Survey (2)

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- Originally reported as a “matrix” but this became hard to maintain and to be objective
- New version is done as a real survey
- Still discussing on the best way to present the collected data



# IPv6 CPE Survey (3)

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- Initial results:
  - Reports are in for over 20 different vendors
  - Cisco still has the largest market share
  - Most users still depend on 6in4 tunnels
  - The majority have bought their own CPE



# IPv6 CPE Survey (3)

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- Initial results are now published on RIPE Labs:

<https://labs.ripe.net/Members/marco/ipv6-cpe-survey-results-may-2011>

- Please participate via:

<https://labs.ripe.net/Members/marco/ipv6-cpe-survey-please-participate>



# Ripe-501: Requirements For IPv6 in ICT

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- Set of requirements on what to ask for when specifying ICT equipment must support IPv6
- Original document was made by the Go6 Institute in Slovenia for the Slovenian Government
- Translated into English and published as a RIPE Document late 2010
- Can be used as a reference in tenders



# Ripe-501: Requirements For IPv6 in ICT (2)

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- The Document was well received by the community
- Several governments are looking into adopting this document or translations of it for their own use
- Main benefits are it is open and supported by the community





# Ripe-501: Requirements For IPv6 in ICT (3)

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- Currently the community is working on the next version of this document
- Mostly text improvements and better explanation of what it all means
- Some new items will be introduced like 3Gpp references for mobile network applications
- More to come on the IPv6 WG mailing list



# Getting IPv6 resources ?

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- Not in scope for the IPv6 WG
  - Belongs in Address Policy Working Group
- Policy document ripe-512 describes the exact requirements
- More on this in tomorrow's session



# IPv6 Provider Aggregatable Addresses (PA)

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- To qualify for an allocation
  - An organisation must be an LIR
  - Must have a plan to deploy IPv6 in two years
- Minimum allocation size is /32
  
- Allocation size based on customer numbers



# IPv6 Provider Independent Addresses (PI)

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- Slightly different from IPv4
- To qualify for PI an organisation
  - Must demonstrate it will multi home
  - Meet the contractual requirements for provider independent resources
- LIR can get PI for own organisation
  - Must demonstrate special routing requirements
- PI space does not allow to make assignments or sub-allocations



# More information

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- Ask the RIPE NCC service center in the hallway
  - And get your IPv6 :)
- Address Policy Working Group
  - Wednesday morning's session
  - Working group mailing list [ap-wg@ripe.net](mailto:ap-wg@ripe.net)
- IPv6 Working Group
  - Working group mailing list [ipv6-wg@ripe.net](mailto:ipv6-wg@ripe.net)
- <http://www.ipv6actnow.org>



# Questions?

