IPv6 CPE Survey - Participate on RIPE Labs

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Some History

- Collect information from Customer Premise Equipment (CPE) vendors in June 2010
  - Sent out surveys to vendors
  - Set up local testbed
  - Published results on RIPE Labs

- Since then three updates published
  - More vendors wanted to be listed
  - User feedback on RIPE Labs included
  - Used widely as reference

IPv6 CPE Matrix

	AVM (FRITZ!Box)	Draytek	Zyxel	Juniper (ScreenOS)	Juniper (JUNOS)	Cisco	D-Link
Hardware version required	7270, 7570	Vigor 2130 series, vigor 120	All models released in 2010	All	All	Most SOHO boxes	Most new boxes
Minimum software level required	"Labor" only	2130:v1.3.0 120:v3.2.4.3	Per model, check vendor	6.1	10.2	12.4T or 15	see notes
Status	Beta	General deployment	Beta	General deployment	Early deployment	General deployment	General deployment
WAN layer 2							
Docsis 3.0	vendor	no	no	no	no	-	-
ADSL 2+	confirmed	120 only	vendor	confirmed	confirmed	confirmed	no
VDSL	confirmed	no	vendor	no	vendor	-	no
Ethernet	confirmed	vendor	vendor	confirmed	confirmed	confirmed	confirmed
FTTx	-	vendor	vendor	no	no	-	no
WAN Layer 3							
PPPoA	confirmed	no	vendor	no	vendor	confirmed	no
PPPoE	confirmed	confirmed	vendor	confirmed	confirmed	confirmed	vendor
RFC1483/bridge	vendor	no	vendor	no	no	vendor	no
RFC1483/routed	-	-	vendor	vendor	vendor	vendor	no
Plain IP	-	vendor	vendor	confirmed	confirmed	confirmed	no

RIPE NCC

Monday, May 2, 2011

Why a New Survey?

- More feedback from users and vendors
  - More objective
  - Provides more detailed information
  - Easier to maintain over time

- Survey built together with community
  - Plan to build new survey was published on RIPE Labs
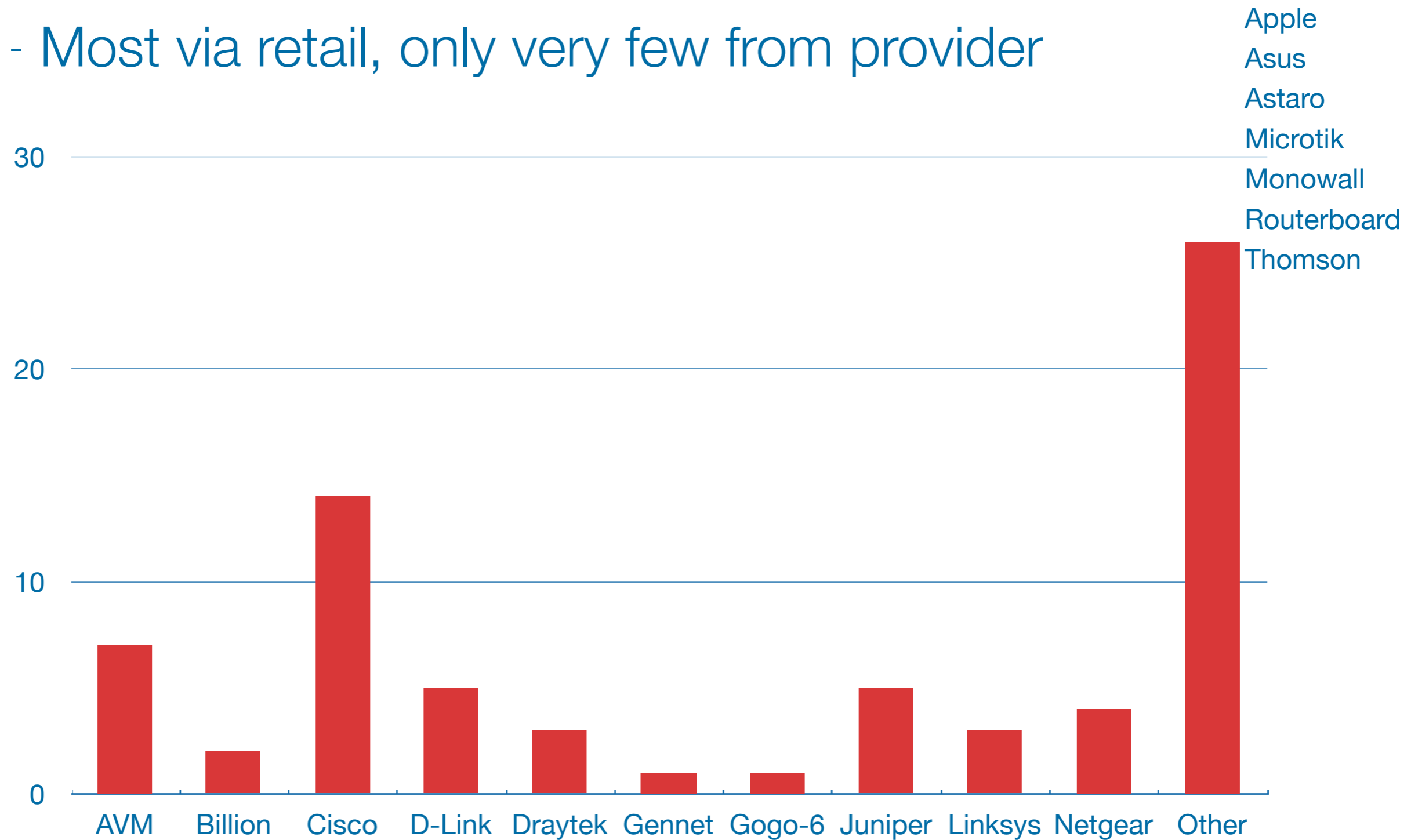 - Thanks for all the feedback!

New Survey Announced Last Week

- Targeted for vendors, operators and users

- Focuses on three basic questions:
  - What does the system claim to be capable of?
  - Which of these options are you using now?
  - How good or easy-to-use are those features?

- Over 70 responses received already
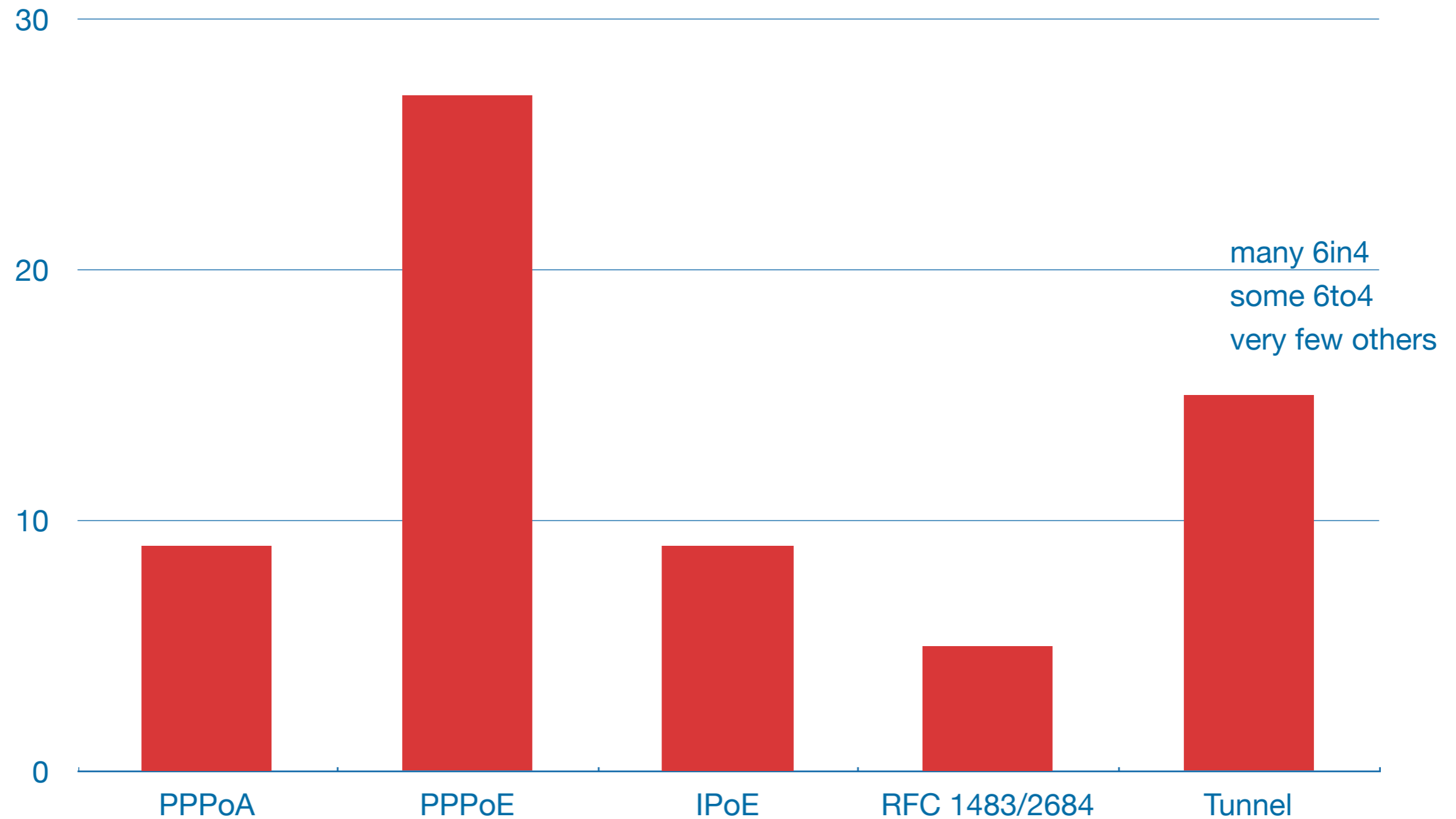 - Some initial results on next slides

http://labs.ripe.net/Members/marco/ipv6-cpe-survey-please-participate

CPE Vendors Listed in the Survey

- Most via retail, only very few from provider

Apple
Asus
Astaro
Microtik
Monowall
Routerboard
Thomson

Bar chart with y-axis values 0, 10, 20, 30. X-axis categories: AVM, Billion, Cisco, D-Link, Draytek, Gennet, Gogo-6, Juniper, Linksys, Netgear, Other

Which Access Technologies are Used?

many 6in4
some 6to4
very few others

Bar chart axis labels: 0, 10, 20, 30

Categories: PPPoA, PPPoE, IPoE, RFC 1483/2684, Tunnel

What Needs Improvement?

DNS support
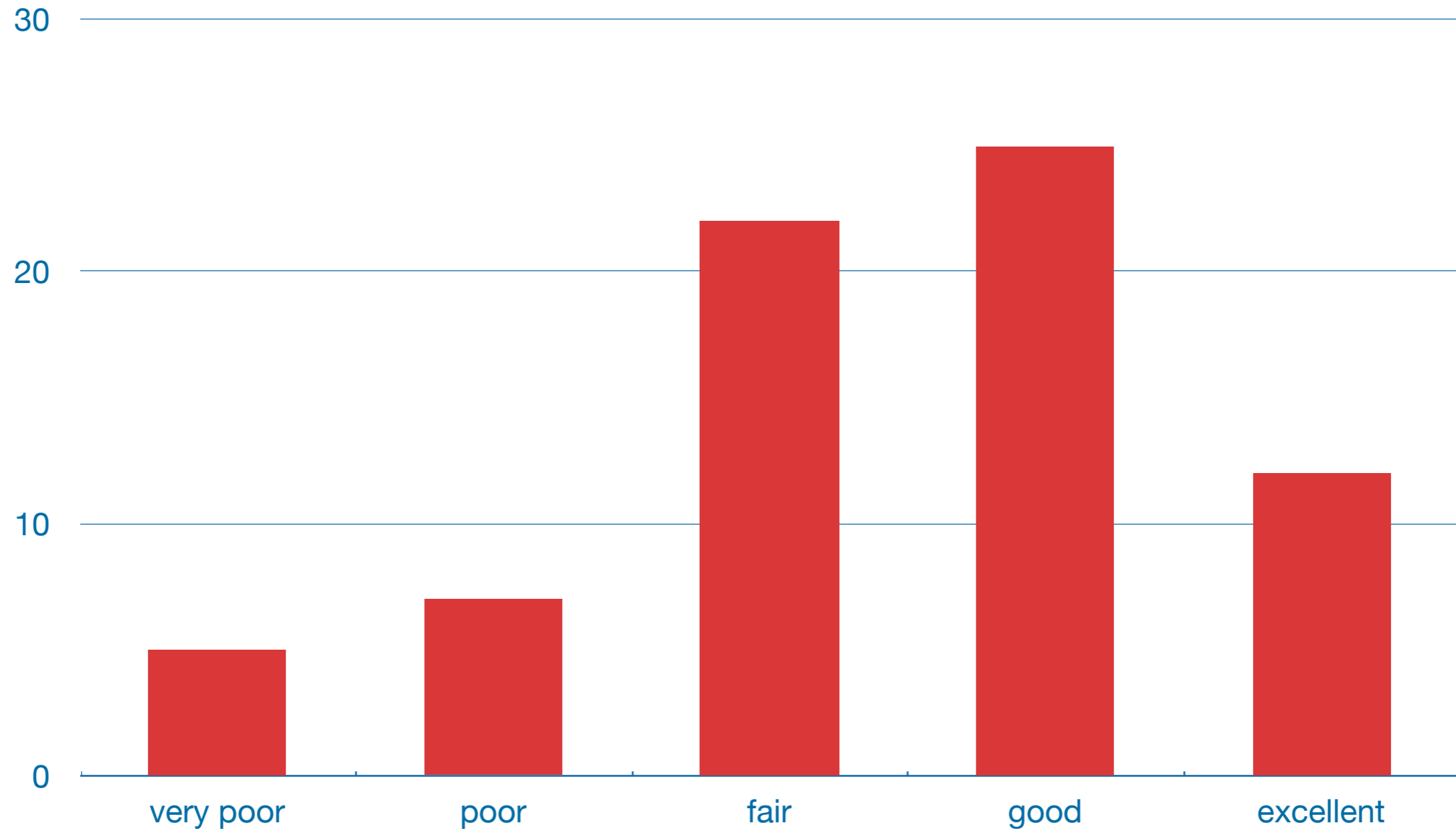
What Works Well?

LAN support
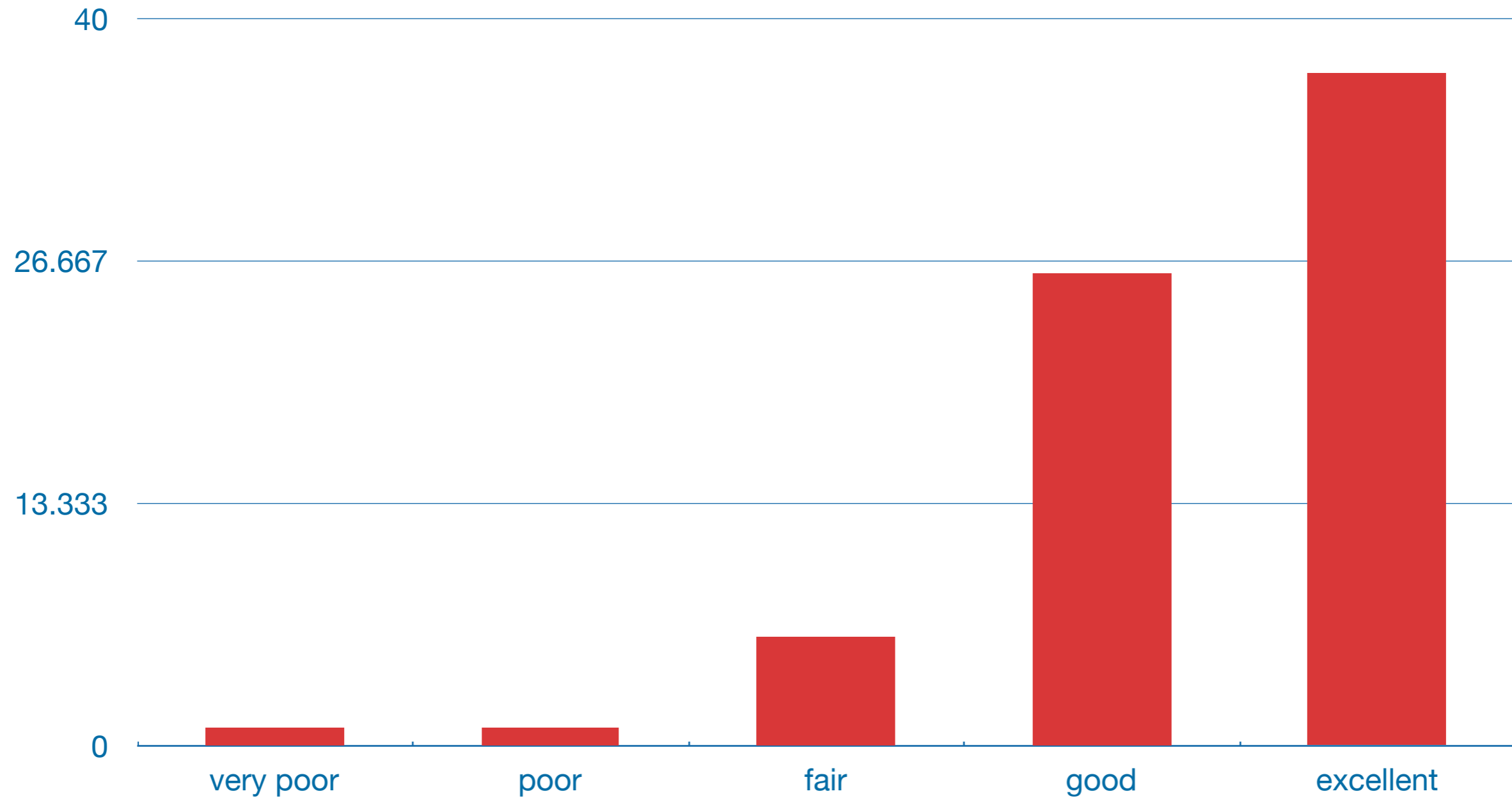
Call for Participation

- Please fill in the survey:

   http://labs.ripe.net/Members/marco/ipv6-cpe-survey-please-participate

   - Only after you've actually tested the CPE

- Results will be published soon

- Survey will be ongoing

- Interested to see improvements over time

Questions?