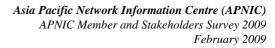


Asia Pacific Network Information Centre (APNIC) Pty Ltd

APNIC Member and Stakeholders Survey 2009 Report Appendices

> February 2009 This report contains 205 pages 4611720_4





Contents

A	Appendix 1: Survey instrument	1
В	Appendix 2: All comments from respondents as received	16
С	Appendix 3 Analysis of response data based on organisation classification	52
D	Appendix 4 Analysis of Response Data Based on Country/Economy	83
E	Appendix 5 Analysis of response data based on membership category	143
F	Appendix 6 Analysis of response data based on membership duration	174



A Appendix 1: Survey instrument

INTRODUCTION

APNIC Member & Stakeholder Survey 2009

Thank you for your interest. I hope that this Survey will receive a high level of support. APNIC must operate well to ensure the end we all seek – an effective, stable and secure Internet, so we also seek the views of a wider group called 'Stakeholders'. This covers any interested parties, including governments.

This survey is in 2 major parts:

GENERAL

- Section A1 Assessment of APNIC Activities
- Section A2 APNIC Future Resource Allocation

IPV6 READINESS

- Section B1 Factual Questions
- Section B2 Propositions
- Section B3 Resource Allocation

Please read the instructions prior to each section to clarify the type of response required. Your additional comments are welcomed on any issue.

<u>All responses will go into the draw for 3 prizes.</u> The first recipient drawn will win an Apple iPhone and the following two will each receive an Eee PC.

As in previous Surveys, I give you KPMG's and my own personal assurance that the names of any respondents will remain confidential. Many thanks for your participation.

John Earls

This survey should take approximately 15-20 minutes.



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I-4. Your Membe		5 - 10	10+	N/A
These details will be used on never be available as the coll		vidual details will rema	ain entirely confidential	to KPMG, and will



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ECTION A. GENERAL	
12. APNIC FUTURE RESOUR	CE ALLOCATION
n this section of the survey, you are asked to imagine to APNIC, that is, 100 to SERVICES, 100 to COMMUNICAT	that you have a total of 100 points to allocate to each area TON, and 100 to TECHNICAL.
you feel there is an important topic not listed, please llocation" section - otherwise, do not allocate any point	
lease allocate your points to indicate the activities you in portance to you is evident. An example is provided be	believe should be a major or lesser priority so their relative elow.
EXAMPLE	
1. Groceries	30
2. Holidays	5
3. School fees	40
4. Car expenses	15
5. Entertainment	10
6. Additional area for resource allocation	0
Please enter text below for 6:	
Comments:	
SERVICES	
SERVICES	
A2-1. Expand training activities in scope, geographical coveragoptions	ge and online
A2-2. Expand local presence by opening APNIC branches	
A2-3. Streamline resource requests and allocation processes	
A2-4. Support network engineering education in the Asia Pacif	ic region
A2-5. Enhance APNIC membership/helpdesk support	
A2-6. Support of IPv6 deployment (Note: this issue will be dea in Section B)	alt with in detail
A2-7. Additional area for resource allocation Please enter text below for A2-7:	
Comments:	
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A2-1. Extend the use of APNIC multimedia communications A2-2. Increase the support of the community's efforts to adopt IPv6 A2-3. Expand APNIC involvement in the support and development of regional operator forums (NOGS, IPv6 groups etc.) A2-4. Increase accessibility of APNIC meetings and policy processes A2-5. Represent the needs of the Asia Pacific Internet community in internet governance (including governments, regulators and internet technical organisations)	A2-1. Extend the use of APNIC multimedia communications A2-2. Increase the support of the community's efforts to adopt IPv6 A2-3. Expand APNIC involvement in the support and development of regional operator forums (NOGS, IPv6 groups etc.) A2-4. Increase accessibility of APNIC meetings and policy processes A2-5. Represent the needs of the Asia Pacific Internet community in internet governance (including governments, regulators and internet technical organisations) A2-6. Provide educational materials regarding APNIC services A2-7. Publish statistics, analysis and articles about Internet development and use A2-8. Develop the use of online communities for operational discussion A2-9. Additional area for resource allocation Please enter text below for A2-9: Comments: TECHNICAL A2-1. Research and development activities (for example: network monitoring and measuring, routability testing) A2-2. Develop web services for automated data exchange with external systems A2-3. Further development of resource certification to support better routing security A2-4. Enhance robustness of APNIC services, through extra POPs and redundancy A2-5. Deploy more DNS root servers in the Asia Pacific region A2-6. Expand network monitoring, reporting A2-7. Additional area for resource allocation Please enter text below for A2-7:		
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A2-7. Additional area for resource allocation Please enter text below for A2-7:	A2-7. Additional area for resource allocation Please enter text below for A2-7:	A2-5. Deploy more DNS root servers in the Asia Pacific region	
Please enter text below for A2-7:	Please enter text below for A2-7:	A2-6. Expand network monitoring, reporting	
Comments:	Comments:		
<u>А</u> У		Comments:	
_		A. V	
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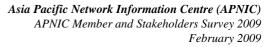
ECTION B. IPv6 READINESS	
1. FACTUAL QUESTIONS	5
this section, we ask you to answer questions v vide greater detail.	with Yes or No, providing further comments if you wish to clarify or
B1-1. Have you deployed or are yo	ou ready for immediate IPv6 deployment?
Yes	
○ No	
Comments:	
	<u>A</u>
B1-2. Does your organisation have	a formal plan to deal with the deployment of
IPv6?	, ,
Yes	
○ No	
Comments:	
	A V
B1-3. Has your organisation budge deployment?	eted for the future resource allocation for IPv6
Yes	
○ No	
Comments:	
	A
P4 4 Use was a second section of the second	to decrease (horses or financial) for IDvC
deployment?	ted resources (human or financial) for IPv6
Yes	
○ No	
Comments:	
	à la
	ved IPv6 addresses from an RIR, NIR or ISP?
Yes	
No	
Comments:	<u> </u>
	Y.



B1-6. Do you have the knowledge	and expertise required to move to IPv6?
Yes	
○ No	
Comments:	
	<u>^</u>
B1-7 Are IPv6-related informatio	n and training services easily available to you?
Yes	mana danning services easily available to your
○ No	
Comments:	
comments.	A V
	-
	ortant to have government support for IPv6
deployment?	
Yes	
O No	
Comments:	
	<u>*</u> Y



CTION B. IPv6	DEADT	NIECO									
	KEADI	NESS	•								
2. PROPOSI	ITION	S									
vith A1, please give yo	our rating o	n a sca	de of 1 t	o 10 wi	th 1 heir	na strona	alv disad	iree and	10 heir	na stronal	lv
ee.	, air racing c	,,, a 500	0, 1 0	.0 10, 111	1 50	19 30 011	<i>317</i> 41549	, cc and	10 5011	ng salong	,
B2-1. APNIC sho	uld have	a hin	ner ro	le in n	romot	ina TD\	ı6 den	lovme	nt wit	hin the	ΔΡ
region	aia nave	a big	gei io	.с р		9 1	о аср	.oyc			Λ.
_	1 -				_		_	_	_	10 -	
	Strongly disagree	2	3	4	5	6	7	8	9	Strongly agree	N/A
Please select one:	\circ	\bigcirc	\circ	\circ	\circ	\circ	\circ	\circ	\circ	\circ	0
Comments:											
							-				
B2-2. APNIC sho	uld perm	nit tra	nsfers	of IP	v4 add	ress s	pace <i>B</i>	BEFOR	E the I	IANA po	ool is
exhausted	•						_		_	•	
	1 -				_		_			10 -	
	Strongly disagree	2	3	4	5	6	7	8	9	Strongly agree	N/A
Please select one:	\circ	\circ	\circ	\circ	\circ	\circ	\circ	\circ	\circ	\circ	0
Comments:											
							-				
B2-3. APNIC sho	uld pern	nit tra	nsfers	of IP	v4 add	ress si	pace V	VHEN	the IA	NA poo	l is
exhausted							_				
	1 -						_			10 -	
	Strongly disagree	2	3	4	5	6	7	8	9	Strongly agree	N/A
Please select one:	\circ	\circ	\circ	\circ	\circ	\circ	\circ	\circ	\circ	\circ	0
Comments:											
							-				
	uld reco	ver ui	nused	IPv4 a	ddres	s space	e for r	egiona	ıl redi:	stributi	on
B2-4. APNIC sho										10 -	
B2-4. APNIC sho	1 -				5	6	7	8	9	Strongly agree	N/A
B2-4. APNIC sho	1 - Strongly disagree	2	3	4							
B2-4. APNIC sho	Strongly	2	3	4	0	0	0	0	0	O	0
	Strongly	2	3	4	0	0	0	0	0	O	0
Please select one:	Strongly	2	3	4	0	0		0	0	0	0
Please select one:	Strongly	2	3	4	0	0		0	0	Ö	0
Please select one:	Strongly	2	3	4	0	0		0	0	Ö	0
Please select one:	Strongly	2	3	4	0	0		0	0	0	0
Please select one:	Strongly	2	3	4	0	0		0	0	O	0
Please select one:	Strongly	2	3		0	0		0	0	O	0





B2-5. All RIRs s	1 -									10 -	
	Strongly disagree	2	3	4	5	6	7	8	9	Strongly agree	N/
Please select one:	\circ	\bigcirc	\circ	\circ	\circ	\circ	\circ	\circ	\bigcirc	\circ	
Comments:											
							-				
	_										
B2-6. The curre				mana	gemer	it syste	ems ai	e ade	quate	to ensi	ure
effective global	transitioi	1 to II	776							10 -	
	Strongly	2	3	4	5	6	7	8	9	Strongly	N/
Please select one:	disagree	\bigcirc	agree								
Comments:											
							A				
B2-7. Governme		ld req	uire II	Pv6 co	mplian	ce wit	hin en	tities ı	ınder		ont
	1 - Strongly	2	3	4	5	6	7	8	9	10 - Strongly	N/
	disagree		_							agree	~
Please select one:	\circ	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\circ	\circ	\bigcirc	\bigcirc	\circ	
Comments:											
							₩.				
							*				
							-				



SEC	CTION B. IPv6 READINESS
В3	. IPv6 ACTIVITIES
In thi	is section of the survey, you are again asked to imagine that you have a total of 100 points to allocate across
a ran	ge of areas listed.
If you sectio	u feel there is an important area not listed, please write it down in the "Additional area for resource allocation" on - otherwise, do not allocate any points to the "Additional area for resource allocation" line.
	e allocate your points to indicate the activities you believe should be a major or lesser priority so their relative rtance to you is evident. An example is provided below.
E	EXAMPLE
1	L. Groceries 30
2	2. Holidays 5
3	3. School fees 40
4	1. Car expenses
5	5. Entertainment 10
6	5. Additional area for resource allocation 0
P	Please enter text below for 6:
C	Comments:
F	RESOURCE ALLOCATION
	3-1. IPv6 promotion, education and/or training
	3-2. Expert consultancy/advisory services on IPv6 deployment 3-3. IPv6 infrastructure services (IXP, rootservers, IRR etc.)
	3-4. Measure, research and report on IPv6 deployment
В	3-5. Additional area for resource allocation Please enter text below for B3-5:
-	Comments:
	Edition Commences.



Appendix 2: All comments from respondents as received A1-1: The overall services provided by APNIC are satisfactory В

CC Org Class Comments

Memb	ers
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			YY YOU I I I I I I I I I I I I I I I I I I I
au	O business	1 - 5	We are not an ISP and only use basic APNIC services. I've found APNIC somewhat removed from the realities of business life and needs
au	Other	10	APNIC somewhat removed from the realities of business life and needs APNIC have continuously provided fast and prompt support to there services, not to
011	Network provider	1 - 5	mention the security of our resources
au	Network provider	5 - 10	Hard to talk to anyone
au au	Network provider	1 - 5	No issues
au	Network provider	1 - 3	The provided services are satisfactory, and it is clear that APNIC is looking to provide
au	Other business	1 - 5	more services based on membership requests/input
au	Network provider	1 - 5	could do better
au	Network provider	1 - 5	No replies to email sent to helpdesk@apnic.net after more than two weeks!
au	Education	0 - 1	No problems at all.
bd	Internet body	0 - 1	Apric Service is very good, clear and prompt. We are happy with the service.
bd	Network provider	1 - 5	overall services of APNIC is very nice.
kh	Network provider	1 - 5	Good help desk and supports
kh	Media	1 - 5	The main advantage - LiveChat
KII	Wicaia	1 3	"Our Organisation" will apply for Internet resource from Apric every year such as IPs,
cn	Network provider	10	ASNs. We got many help from Apnic and sincerely feel appreciated for their work.
ck	Education	0 - 1	provides useful informations in ICT area
hk	Other	0 - 1	The application process is too slow
in	Internet body	0 - 1	Apric provides all the help as well as support by online/email support
111	memer body	0 - 1	We had contacted some APNIC represenstatives asking them for the IPV6 deployment
in	Content provider	1 - 5	case studies. We did not get any response.
in	Other business	1 - 5	APNIC has facilitated the growth and awareness without bias.
111	Other business	1 3	At times, there were some delay in getting responces. In recent past, the service quality
in	Network provider	5 - 10	has improved tremendously.
in	Internet body	5 - 10	easy managemet tools availble and good chat support
111	internet body	5 10	We being the first commercial Internet Service Provider in In enjoy technical support and
			also training, workshops, seminar etc. imparted by APNIC. And it is very much focussed
in	Government	10	to our goals & objectives. The staff & management of APNIC are professional
in	Other	1 - 5	Support provided is Great.
in	Other business	1 - 5	Should be operational 24*7 *365 days
	o iner o domesos		updates for the queries raised are very prompt and no need to keep reminders are
in	Other business	1 - 5	excalations
			We expect online helpdesk to answer queries related to problems faced in updating who is
in	Network provider	5 - 10	database. At present resolution time is at least 1 day.
in	Network provider	1 - 5	APNIC should have separate policy for companies in distress but they don't have.
id	Network provider	10	Sometimes Takes Time
id	Network provider	1 - 5	good services
id	Network provider	1 - 5	Quick respon from apnic chat.
id	Network provider	1 - 5	good service
id	Other	10	Please keep your achievement :)
id	Network provider	5 - 10	We need the body that make a guidance for distribution or using of internet resource.
	F		we are member since 2007 after bali apricot and since that we're satisfactory for APNIC
id	Other	1 - 5	services
my	Internet body	10	very good service with frequent update
,			I agree above activities and please take attention to support professional technical advice.
			APNIC update is really good I can get it rapidly but sometimes I don't apply thier
mn	Network provider	1 - 5	suggested service because my PC software or internet traffic problem I think.
mn	Network provider	5 - 10	We have enough infromation through Apric web site and helpdesk. Also training.
	pro . 1001		Its satisfactory but should play a important role in the development of internet in those
nn	Internet body	1 - 5	places where internet is still a unkown birds name.
пр		-	Resource management and training services are satisfactory. I can't comment on other
np	internet body		Resource management and training services are satisfactory. I can i commen on other
	·	1 - 5	
nz	Content provider	1 - 5	services, as I haven't attended any conferences, etc.
nz nz	Content provider Government	1 - 5	services, as I haven't attended any conferences, etc. Have always had excellent service when required.
nz nz nz	Content provider Government Network provider	1 - 5 10	services, as I haven't attended any conferences, etc. Have always had excellent service when required. Finding it hard to edit our IP blocks, online tools not allowing access.
nz nz	Content provider Government	1 - 5	services, as I haven't attended any conferences, etc. Have always had excellent service when required. Finding it hard to edit our IP blocks, online tools not allowing access. Very responsive and patient with all queries and problems.
nz nz nz pk	Content provider Government Network provider Content provider	1 - 5 10 0 - 1	services, as I haven't attended any conferences, etc. Have always had excellent service when required. Finding it hard to edit our IP blocks, online tools not allowing access. Very responsive and patient with all queries and problems. The services provided by APNIC to his clients are quite sstiffactory, i would a ppreiacte if
nz nz nz	Content provider Government Network provider	1 - 5 10	services, as I haven't attended any conferences, etc. Have always had excellent service when required. Finding it hard to edit our IP blocks, online tools not allowing access. Very responsive and patient with all queries and problems.

 $^{^{\}rm 1}$ "Our Organisation" indicates specific organisations name has been removed.



CC	Org Class	MD	Comments programs.
pk	Government	5 - 10	We never face any noteable issue to mention here.
•			APNIC had done a good job in maintaining supply of IPv4 and controlling the release of
ph	Network provider	5 - 10	IPv4 addresses.
			Sometime the response from the helpdesk a bit slow, I need to send several emails to get
sg	Network provider	0 - 1	the reply.
lk	Network provider	5 - 10	We are content with the services offered by APNIC so far
			Over all what you are doing right now is quite well. But If you can spread more with in the Asia pacific reign and if you can get closer to the community more that would be better
lk	Network provider	0 - 1	since some communities hesitate to raise their voices about Internet Resour
th	Network provider	0 - 1	The most impressive is the fast turn around response on request.
to	Other	N/A	APNIC conducted several trainings in the pacific regarding intro to IPV6. An evidence of these trainings is the PACINET and PITA training that were held this year 2008 in cook island and fi.
us	Other business	1 - 5	Very Responsive
Stak	eholders		
			As a small ISP I've only dealt with APNIC direct one time. Let's say there was a learning
au	Network provider	0 - 1	curve.
au	Other	0 - 1	APNIC needs to re-focus on the core services of being an RIR.

Responsive hostmasters, transparent policy development process, active outreach to

in Internet body N/A developing and pacrim islands. np Network provider 0 - 1 is less transparent towards non-commercial section like academia and general public

A1 – 2: The value members get from APNIC justifies the cost $CC \quad \text{Org Class} \qquad MD \qquad \qquad Comments$

			I have never really needed to access any of the services other than changing the basic DNS
au	Education	5 - 10	/ IP information
au	Other	10	Given my contact and association the value is well below expected!
au	Government	5 - 10	Very good value for money
au	Network provider	N/A	Way too expensive for small ISP's. Fee structure favours large organisations.
	1		Even for smaller companies the costs are justified by how much resources can be offered
au	Network provider	1 - 5	and used.
au	Content provider	1 - 5	Very costly first resource allocation fee.
au	Network provider	1 - 5	No significant issues
	•		I am often asked what benefit APNIC is providing to my company. Aside from Internet
au	Other business	1 - 5	resources, the obvious benefits are small.
au	Network provider	1 - 5	FOr what they do no! far from it
au	Other business	1 - 5	Maybe there should be discount for not for profit organisations.
			To date I haven't got involved in any of teh educationals but intend to this year. All that I
au	Other business	1 - 5	have required up to this point has been IP addresses so my needs are simple.
			I cannot understand how costs can be so high as to require the sort of revenue that is
au	Network provider	1 - 5	generated from memberships.
			There's not much alternative to APNIC - you get your IP block from them or nobody, so I
			can't say there's much basis for judging value for money. For an organisation of our size,
au	Education	0 - 1	it's a lot of money.
bd	Internet body	0 - 1	The Price is very reasonable compare to service.
bd	Network provider	1 - 5	yes
cn	Government	10	Based on what standard?
fj	Government	0 - 1	I wouldnt know just yet
			Cost is no problem for those who want the service & quality. The small companies worry
in	Internet body	0 - 1	about the cost.
			My experience was very good as far as talking to the polite hostmasters. However more
	~		crystallized support in terms of IPV4, IPV 6 allocation tool, IPV6 implemenation in ISP
in	Content provider	1 - 5	network is expected.
in	Network provider	5 - 10	Only a financially strong organization can provide quality service.
			Not clear on what is a big difference between non-member and a member. Since service
	0.1 1 1	1 6	wise there is no issue, and for a small or medium size ISP there won't be those many IP
in	Other business	1 - 5	address required I don't see there is much value addition by APNIC to a member of
in in	Internet body Government	5 - 10 10	Knowledge and support The service charges are nominal and reasonable.
in	Other	1 - 5	
in	Government	5 - 10	Agree APNIC should add all the members in their mailing lists. I would request you to add
111	Government	3 - 10	AFING should add all the members in their maining lists. I would request you to add



CC	Org Class	MD	Comments
			myself in your mailing list so that the information can be shared
in	Network provider	5 - 10	ISPs in countries where NIRs exist pay far less for such services and IP addresses
in	Other business	1 - 5	Resonable
in	Network provider	5 - 10	Pls refer comments in A1-1
id	Network provider	1 - 5	The cost still a little bit high i guess.
id	Network provider	10	A bit expensive
id	Network provider	1 - 5	fair
id	Network provider	5 - 10	Its quite fair, even though there are a significant change for my company tier.
mn	Network provider	1 - 5	I almost agree with that issue but not exactly because the value members must be great helper to poor and beginner country for IT industry. I think that they should pay attention the beginners to improve and share precious experience and knowledges.
np	Internet body	1 - 5	varies beteween country to country.
•	·		The value that we receive from APNIC is heavily oriented towards IP resource only. Because of this, the cost of membership roughly translates into "dollars per address" - as a
nz	Content provider	1 - 5	result of this, the cost seems quite high. However, I accept that APNIC provide
nz	Network provider	5 - 10	I'd like to be made aware of where the costs of membership go to.
nz	Government	1 - 5	Not really privy to the money side of things. One presumes so, however.
pk	Content provider	0 - 1	The cost is very well justified for the kind of operation and services being rendered.
pk	Internet body	5 - 10	i agree with it but if APNIC could build a fund for tranning as well.
pk	Other business	1 - 5	Cost is high
ph	Network provider	5 - 10	The size of the allocation is comensurate to the cost, but it's not clear what magnitude of additional overhead this entails to APNIC's resources so as to justify the cost.
sg	Network provider	0 - 1	Our company just joined APNIC, so nothing much to say here.
lk	Network provider	5 - 10	IP addresses are valuable resource. But we have difficulty in convincing top management to approve annual membership payment.
	•		Ya that's superb. But Its great if you can increase the number of workshops you conduct
lk	Network provider	0 - 1	all aver the countries.
th	Network provider	0 - 1	I think the overall fee is a little too high.
			It is a bit expensive for countries like To in pacific to pay for APNIC membership fee and get IPV6 address space. APNIC should not provide same fee for poor countries like here
to	Other	N/A	in pacific in comparison to rich countries like Cn.
us	Other business	1 - 5	I feel the cost is a little high. I think \$500.00 USD would be more appropreate
Stak	eholders:		
au	Network provider	0 - 1	Not a member, no idea
au	Other	0 - 1	The cost for members should be related strictly to the resources required to assign and maintain an IP allocation to the member. As such the APNIC organisation should shrink in size and scope to allocation activity.
	22		

A1 – 3: The processes and requirements to obtain IPv4, IPv6 or ASN resources are clear and straightforward CC $\,$ Org Class $\,$ MD $\,$ Comments

Members:

			The processes are clear though very cumbersome and difficult for new organization to
af	Government	1 - 5	understand it thoroughly
			It is not always straightforward but support staff a very helpful in explaining any extra
au	Network provider	0 - 1	information required.
au	Other business	1 - 5	I have not had to obtain resources.
au	Other	10	Not at all far to convoluted anf Geeky!
au	Government	5 - 10	Online process was straightforward. Information on ASN attributes was hard to find.
			These processes can be a bit dubious but overall fairly straight forward something best
au	Network provider	1 - 5	left in the hands of your Sys Admins.
			The documentation is written in a very technical and legal manner and it makes
			deciphering what is actually required very difficult. More user friendly wording would
au	Network provider	0 - 1	be better.
au	Network provider	5 - 10	No they are not
au	Network provider	1 - 5	No issues
			I was suprised how straightforward it was, as the preparation and introduction materials
au	Other business	1 - 5	can be daunting.
au	Network provider	1 - 5	forms are ambiguous and help documentation is unclear
			The application forms and processes are a nightmare. The forms are confusing and badly
au	Content provider	1 - 5	designed.
			In order to raise IPv6 uptake, documentation in regards to the effect of holding v4 and v6
au	Network provider	0 - 1	and its affect on your membership tier should be extended.
			I have worked for many ISP. I have taken IP three from APNIC for three IPS's. The entire
bd	Internet body	0 - 1	processes are very clear, easy and sharp.
bd	Network provider	5 - 10	sending diagram on NOTEPAD is some time difficult to make.



CC	Org Class	MD	Comments
bd	Network provider	1 - 5	yes
kh	Media	1 - 5	It is complex policy to get the first allocation if i have no infrastructure yet. How can I build my network then?
			The requirements for obtaining IPv6 may hinder the full deployment of the services especially when IPv6 basically accommodate a large address space. The requirements are
fj	Education	1 - 5	all fair and good but if there is so much to go around, just ease up on the restricti
fj	Network provider	10	*There is too many process we need to satisfy before address can be released
-,	- · · · · · · · · · · · · · · · · · · ·		The rules for allocating ASN keeps changing, before we only need to go to APNIC for an ASN to be used in other parts of the world, now we have to be registered to 5 different
hk	Network provider	1 - 5	APNIC to obtain ASN for Africa, South America, Europe, USA to build a global net But only for those who knows about the IPv4, IPv6 or ASN. some says there is much
in	Internet body	0 - 1	confusion in all the three
in	Internet body	5 - 10	some point take time to understand by new user The above mentioned resources are being provided by APNIC is very fast and
in	Government	10	transparent.
in	Other	1 - 5	Need to get more input.
in	Government	5 - 10	Especially the second opinion request form,we at "Our Organisation" have prepared a similar form asking for customer justification for additional IP address request
in	Network provider	5 - 10	no process is clear only the techkes can understand
id	Network provider	1 - 5	Fast enough i guess.
id	Network provider	5 - 10	no clear explanation, especially case study examples
id	Network provider	10	Takes more time
id	Network provider	1 - 5	responsible
id	Network provider	5 - 10	Its excellent, and I (my successor also) trying hard to implement to my company's client.
			Satisfied in general. Sometimes incosistent in how to handle historical resource update for
			NIR members(probably due process not fully shared with new staff). We are adviced of
jp	Internet body	10	different procedure or POC.
my	Internet body	10	very clear processes to obtain IP addresses
			I fairly agree the processes and requirements in which they are reasonable and straight. Of course if ther are easy and clear, everybody will be happy so APNIC always update and
mn	Network provider	1 - 5	consider best one.
mn	Network provider	5 - 10	it is very clear
pk	Content provider	0 - 1	Very clear. Any ambiguity, is usually cleared in via email queries.
pk	Other business	1 - 5	yes process is clear and straightforward
pk	Network provider	1 - 5	Little bit confusing
		- 10	Some examples given on requesting or additional justification for IPv4 is not as clear as it should be, no formulas given or the examples are too perfect to be true in a real network
ph	Network provider	5 - 10	environment.
			Most of the processes and requirements are defined in a manner applicable for ISPs. Some other businesses also require such resources (for portability requirements as an example)
sg	Other business	1 - 5	and the process is not as clear for these businesses which are not directly
lk	Network provider	5 - 10	Clear but lengthy. However, it is justifiable.
lk	Network provider	0 - 1	ya,
to	Other	N/A	all processes are clearly defined on APNIC website the defineistion of end-site is very unclear to me. And it is difficult to obtain IPv6 PI
			space as and end-site. If we want to promot ethe use of v6 we should make it easier to get
us	Other business	1 - 5	PI space for mutli homed end sites.
	eholders:	1-3	11 space for much nomed end sites.
~ ******			
au	Network provider	0 - 1	The last time I looked I decided it was too hard. Our need was not great.
			The process is laden with ambiguous process and unnecessary RIR human interaction. Al of the allocation process can and should be automated. The 'learning barrier' to interact
au	Other	0 - 1	with APNIC is too high.
			Very straightforward. Some stakeholders may need a bit - make that a lot - more education in efficient IP address management and tracking of already allocated space (and
in	Internet body	N/A	perhaps access to web based tools that can do this rather than trying to track them
jp	Network provider	N/A	I know a lot of people who complain that one of the big ISPs in Jp got /8.
np	Network provider	0 - 1	no comments
			With regards to reasserting control of our historical allocation I found that there was no
nz	Education	0 - 1	clear cut documentation
			We have a /24 historical IP range and I did find the documentation confusing as to what the procedure was to get control prior to contacting APNIC -however all email /phone
nz	Education	0 - 1	contact with APNIC was great

$A1-4: APNIC \ resource \ allocation \ services \ (IPv4, IPv6 \ or \ ASN) \ are \ adequate \ in \ response \ time \ and \ relevance$ CC Org Class MD Comments

Members:

au	Network provider	5 - 10	Given the increased shortage of IPv4 it should become harder to obtain network ranges.
au	Other business	1 - 5	I have not had to obtain resources.
au	Other	10	Response time are way, way too slow
au	Government	5 - 10	Time taken to obtain ASN number was clearly indicated at time of applying
au	Network provider	5 - 10	Probably mostly due to the fact I rarely have to request resource allocations. However getting details changed has proved painful, this may be more due to legacy information management in our company more then anything else.
	•		APNIC response times to resource requests usually get turned around very fast, My experience has been acquiring IPV4/IPv6 and AS number, as well as maintainer and
au	Network provider	1 - 5	whois update requests but all in all very good
au	Network provider	1 - 5	No issues
au	Network provider	1 - 5	Training is excellent
au	Network provider	1 - 5	not a peep out of anyone since submission of resource request a week ago - not even confirmation of receipt!
bd	Network provider	1 - 5	yes
cn	Internet body	10	we suggest simplify the requirement for large requests
in	Internet body	0 - 1	Yes this is right if somebody is providing the cost, then you have to give the service
in	Internet body	5 - 10	after complete process they are adeqate
in	Government	10	Yes. it is very much adequate and relevant to our needs.
in	Other	1 - 5	Response time is great
in	Network provider	5 - 10	I feel that resource analysts have more focus on reducing the size of allocation rather than understanding member's actual need and challanges.
id	Network provider	1 - 5	quite fast
id	Network provider	1 - 5	very well
id	Network provider	5 - 10	I've never late to provide any resource to my company sales plan.
jp	Internet body	10	Generally good but somtimes over 1 day turn around. There are also cases which takes a few days to be completed due to approval by the management, which itself is okay, but would like to have a defined turn around day (e.g. within 3 working days) for this
jp	Internet body	5 - 10	I have no comment bacause we have not request the internet resource in a few years.
jp	Internet body Network provider	10 1 - 5	for standard requests, response time is very good (eg. rating 7). However, the response time is sometimes slow for requests larger than /14. I understand it requires the check of managers but it would still be nice if the response time could be guaranteed no doubt here
mn	Network provider	1 - 3	
200	Content provider	1 - 5	Response times are adequate, the second opinion process is frustrating when waiting on a reply from APNIC is the only thing preventing a customer's services from being provisioned.
nz nl			
pk	Other business	1 - 5	response time is just ok The request once submitted and instified is ensured by an ADNIC heatmenter in a
ph	Network provider	5 - 10	The request, once submitted and justified is answered by an APNIC hostmaster in a timely manner. No problems whatsoever.
lk	Network provider	0 - 1	No. But Process shouldn't take long time. IPv6 we can be less strict to get the ip address since the minimum allocation is /32
us	Other business	1 - 5	my V4 alloacation was pretty easy to get, but is is proving to be more difficult to get V6 PI space.
Stak	eholders:		
au	Network provider	0 - 1	No experience of this
in	Internet body	N/A	your professionalism is not at all in question here, the professionalism and the knowledge of other stakeholders might need to be bootstrapped

nd the knowledge
10

A1 – 5: The APNIC helpdesk is easy to contact

CC Org Class MD Comments

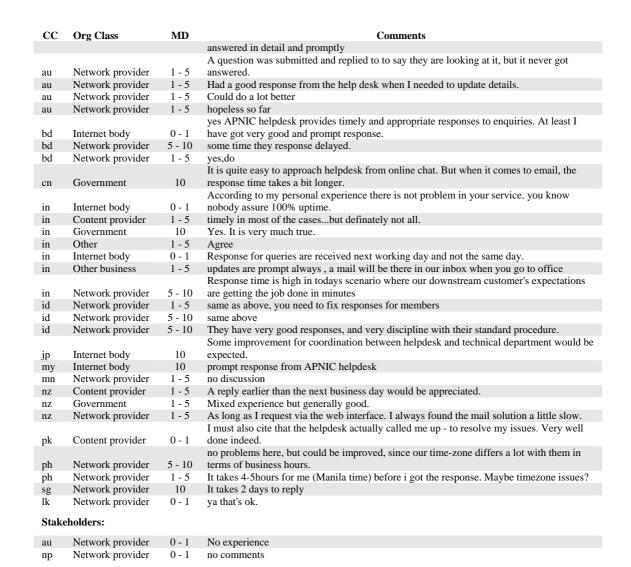
Members:

au	Network provider	5 - 10	have not used
au	Other business	1 - 5	Have not used APNIC helpdesk
au	Other	10	Damned near impossible
au	Network provider	5 - 10	It *looks* like its easy to contact:)
			The help desks only downfall is that it uses a local number, other than that, Easy and
au	Network provider	1 - 5	personal.
au	Network provider	1 - 5	Had a good response from the help desk when I needed to update details
au	Network provider	1 - 5	it is easier to use www.google.com

CC	Org Class	MD	Comments
au	Other business	1 - 5	Never had an issue here.
au	Network provider	1 - 5	no reponse to two emails to help desk in two weeks
			Very helpful folks at the helpdesk - I contacted them a number of times when making the
au	Education	0 - 1	original allocation.
bd	Internet body	0 - 1	I didn't face any difficulty to contact with APNIC helpdesk.
bd	Network provider	1 - 5	some times
kh	Media	1 - 5	Absolutely easy
	T	0 1	According to my personal experience there is not problem in your service. you know
in	Internet body	0 - 1	nobody assure 100% uptime.
in	Government	10	Not only easy but also very friendly professionals.
in	Other	1 - 5	Yes
:	Intomot hody	0 - 1	Only working as per Aun Standard Time and 5 days schedule. Should be available 24 * 7
in	Internet body	0 - 1	as APNIC is a very Important functioning Body.
in	Other business	1 - 5	The APNIC helpdesk is good but can improvise with round the clock service. A dedicated Toll Free number for the members would be encouraging
in	Internet body	5 - 10	If 24x7 service is suggestable
in	Other business	1 - 5	very easy and available on live chat which helps to solve many queries
111	Other business	1 - 3	It is difficult to get in touch with right person via phone. In my view e-mail medium is
in	Network provider	5 - 10	good but response time is very high.
in	Other	1 - 5	Yes
id	Network provider	1 - 5	Nope, not fast enough.
id	Network provider	5 - 10	local apjii resources is running out of stock
id	Network provider	10	Not sosialized well.
id	Network provider	1 - 5	not respont quickly
id	Other	10	thanks for provide chat tool, thats make process go well.
			We live in different time zone, sometime I loose contact when problem arise in afternoon
id	Network provider	5 - 10	(GMT+7).
my	Internet body	10	very friendly and helpful helpdesk
mn	Network provider	1 - 5	Helpdesk is good helper if possible what about online contact?
mn	Network provider	5 - 10	My Apnic and Online help desk is very good tool
			the helpdesk is not available round the clock and due time difference we cannot reach the
np	Network provider	0 - 1	help desk personnels sometime.
nz	Content provider	1 - 5	No comments.
			The addition of the web chat has been greatly appreciated, and means a much better
nz	Network provider	1 - 5	experience, and faster turn around on any issues I may have.
nz	Content provider	5 - 10	Never used it
ph	Network provider	5 - 10	Not 24x7? but maybe am asking too much.
ph	Network provider Network provider	1 - 5 1 - 5	sometimes the online helpdesk are not answering eventhough they're online Have not try any contact to Helpdesk yet.
sg	Network provider	1 - 3	
			Difficult to get APNIC personnel by phone (from my experience he/she would reply my mail but when I contacted him/her by phone the optr would say sh/he is not available,
ea	Network provider	10	not in the office etc.)
sg lk	Network provider	0 - 1	ya, But recommended to have the chat service service 24 hour on line.
1K	retwork provider	0 - 1	I love chat, it is the convenience way to communicate with Helpdesk during urgent
th	Network provider	5 - 10	situation:D
th	Network provider	1 - 5	She can speak Thai.
vn	Government	1 - 5	Contacting through VNNIC
Stake	eholders:		
011	Network provider	0 - 1	Never tried
au	Network provider	0 - 1	no comments
np	retwork provider	0 - 1	no comments

A1 – 6: The APNIC helpdesk provides timely and appropriate responses to enquiries CC $\;$ Org Class $\;$ MD $\;$ Comments

			There are sometimes minor delays - like when conferences are on (reduced staff) but this
au	Network provider	0 - 1	is acceptable and understandable.
au	Network provider	5 - 10	have not used
au	Other business	1 - 5	Have not used APNIC helpdesk
			Responses tend to be terse or not very informative at all. On one occasion I had no
au	Other business	10	response at all.
au	Other	10	Not from where I sit
au	Network provider	5 - 10	Havent had to request any support in my time
au	Network provider	1 - 5	I have only had one request go astray with the APNIC helpdesk, every other request was



A1 - 7: MyAPNIC operates at a high level of quality, usability and reliability

CC Org Class MD Comments

			It is pretty good. It does not have complete functionality yet but I am sure this will happen in time. Eg reverse dns delegation for IPv6 did not seem available within MyAPNIC. It is
au	Network provider	0 - 1	available via the normal website so this is not a problem.
au	Network provider	5 - 10	Password and account renewal requirements are abit steep.
au	Network provider	5 - 10	have not used
au	Network provider	10	Not a have a MyAPNIC a/c. In the process to obtain one.
			I find the interface clumsy and difficult to navigate. I have not had the opportunity to
au	Education	5 - 10	investigate the new interface
au	Other	10	Not realy sure of the relevance of this question!
			I would like to see some more detailed contextual help information for things like adding
au	Government	5 - 10	reverse domains
			I find the workflow involved in joining and resource allocation massively fragmented,
			applying for new resources and managing existing resources should all happen from the
au	Network provider	1 - 5	same location. APNIC processed can be very convoluted and fields in applications
			Certificates can be a major issue to the EU but other than that the interface is clean and
au	Network provider	1 - 5	simple.
			Rather than using a single clear interface to collect relevant information and then
au	Network provider	5 - 10	generating the appropriate WHOIS and other data, the user is forced to edit the raw data in

APNIC Member and Stakeholders Survey 2009

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ssential registry
hould be re-allocated
ada

APNIC Member and Stakeholders Survey 2009

CC	Org Class	MD	Comments
			countries. Not sure if this is localized into all the asiapac languages?
np	Network provider	0 - 1	web site mirrors should be increased
nz	Education	0 - 1	haven't used it yet
nz	Education	0 - 1	Haven't used it as all changes required made.

$A1-8: APNIC \ who is \ database \ operates \ at \ a \ high \ level \ of \ quality, \ usability \ and \ reliability$

CC Org Class MD Comments

Members:

0.1	10	Nope! Too much info out of date and far too hard and coneluted for anyone to care
		about changing it! Pity though.
		Details are accurate and up to date
		Never had an issue here, and I use it daily.
		Whois has no flaws that I could identify and is also Mac term compatible "term# whois"
		The information seems to be up to date - useful
		Haven't used it.
		yes
Network provider	1 - 5	Stable and accurate database report.
		Cannot easily find AS number by IP address like I can make at RIPE NCC by a basic
		whois service.
Network provider	5 - 10	Diffcult to delete old users from the list
Internet body	0 - 1	Apnic is better then other providers
Internet body	5 - 10	very useful
Government	10	Yes. It is true.
Other	1 - 5	agree
Network provider	1 - 5	Yes, never have trouble
Network provider	10	ip address who is database must be changed one by one, there is no batch process
Network provider	1 - 5	good
Network provider	1 - 5	good
Network provider	5 - 10	Its very useful when I need some help about resource allocation within Aspac.
T-4	10	We had problems in the past which is already shared with APNIC. No problems have occured since Aug 2008, which is wonderful and hope this service level will be maintained.
Network provider	1 - 3	if easy guide and a few steps to login it will be great
		Some of the navigational aspects of MyAPNIC need improvement. For example, when looking at assignments/allocations within one /24 IPv4 block, there is no way to return to
		the list of IPv4 resources without using browser back/forward buttons. When looking
		works ok.
		very useful and very accurate
		Agree but not user friendly.
Network provider	5 - 10	For new users, how to use the database is still it is a little confusing.
Network provider	0 - 1	ya that's great
Other	N/A	all informations regarding administrators of certain ip resources are described by apnic whois database.
	Internet body Internet body Government Other Network provider Network provider Network provider Network provider Network provider Internet body Network provider Content provider Network provider	Government 5 - 10 Network provider 1 - 5 Network provider 1 - 5 Education 0 - 1 Network provider 1 - 5 Education 0 - 1 Network provider 1 - 5 Network provider 1 - 5 Media 1 - 5 Network provider 5 - 10 Internet body 0 - 1 Internet body 5 - 10 Government 10 Other 1 - 5 Network provider 5 - 10 Network provider 0 - 1

Stakeholders:

au	Network provider	0 - 1	As an outsider, it seems okay
			Quality is very low. It has password entries that are open to security attacks. usability is
au	Other	0 - 1	ordinary, there are far too many switches and nobs, (see ARIN's for a good example)
np	Network provider	0 - 1	web site mirrors should be increased
			There is still a lot of outdated or forged information to be cleared up. But things are
nz	Content provider	N/A	improving.

A1 – 9: Reverse DNS services operate at a high level of quality, usability and reliability

CC Org Class MD Comments

au	Other	10	Well almost!
			I would like to see some more detailed contextual help information for things like adding
au	Government	5 - 10	reverse domains
au	Network provider	5 - 10	Never had an issue here
au	Other business	1 - 5	Reverse DNS functions still need more useful working tools, such as 'bulk updates'.
au	Network provider	1 - 5	seems to work ok
au	Education	0 - 1	Haven't used it.
bd	Internet body	0 - 1	But it is a problem that each /24 should have at least 2 dns which is little bit difficult. If

CC	Org Class	MD	Comments apric allow reverse dns entry in all ip without any system reservation that will helps us
bd	Matricult muoridan	1 - 5	lot.
bu	Network provider	1 - 3	yes We used to have Reverse DNS delegation problem, but not now. I guess the problem have
cn	Government	10	been solved.
CII	Vendor (software/hardwar	10	been sorred.
cn	e)	0 - 1	Not use
in	Internet body	0 - 1	need to be improved
in	Government	10	Yes. Reverse DNS Delegatio is a must these days for e-mail services which is being provided by APNIC at faster reate with precision level of integrity.
in	Other	1 - 5	agree
id	Network provider	1 - 5	Yes, never have trouble with the reverse DNS. All are okay.
id	Network provider	1 - 5	good
id	Network provider	5 - 10	Unfortunately, sometimes, my backroom slower than yours.
jp	Internet body	5 - 10	too many trouble
jp	Internet body	10	We had experienced problems in co-ordination with NIR system as 6 cases (including minor ones) of zone delegation errors in year2008. We have already reaised this issue with APNIC staff and confirmed their willingness to address the issue. I am satisfied
jр	Network provider	10	We have had issues with reverse DNS that have required manual intervention by APNIC/helpdesk staff.
mn	Network provider	1 - 5	if easy guide and a few steps to login it will be great
mn	Network provider	5 - 10	It takes much time to update reverse DNS.
	Content provider	1 - 5	Getting IPv6 reverse DNS delegated requires contacting the APNIC helpdesk, but IPv4 reverse DNS delegations can be performed via MyAPNIC.
nz nz	Network provider	1 - 5	I cannot think of an instance where it hasn't worked for me.
ph	Network provider	5 - 10	works ok.
ph	Network provider	1 - 5	not yet tried.
lk	Network provider	0 - 1	ya that's great
th	Network provider	0 - 1	I have not using reverse DNS
th	Network provider	5 - 10	It's not my responsibility: P So I cannot give any response for this.
	eholders:	3 10	it's not my responsibility. It so I cannot give any response for this.
Jun	circiaci și		
			There needs to be a better way of automating interaction with DNS, email is insecure and
au	Other	0 - 1	outdated - and the portal requires human interaction.
jp	Network provider	N/A	It sometimes stops.

A1-10: APNIC face-to-face training is readily available in my region

0 - 1

N/A

CC OC MD Comments

no comments

Members:

Network provider

Content provider

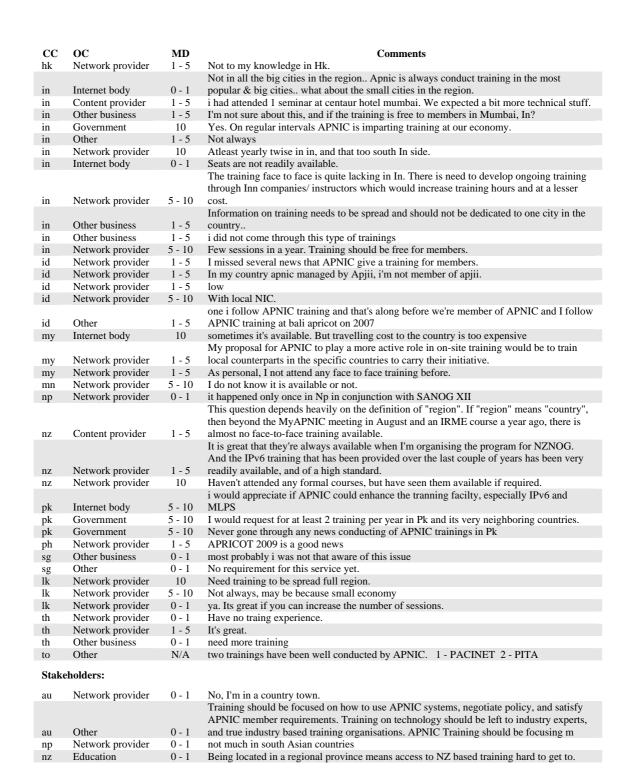
np

nz

au	Network provider	0 - 1	It may be - I have not checked
au	Network provider	5 - 10	have not used
au	Network provider	5 - 10	never used it
			There has NEVER been one in Tasmania, let alone Hobart. Hence I have never had the
au	Education	5 - 10	opportunity to attend them
au	Other	10	Never used it, never heard of it.!
			Sydney training was good, Availability of Brisbane training if required would be nice. (If
			it already exists im unaware of it, but we dont really need a high level of training per-se,
au	Content provider	5 - 10	the helpdesk helps us to figure out anything we need, and the rest we c
			Training in WA? From my memory - there was only one session in the last 5 years. Need
			more training re ipv6 as there are more and more cowboys out there taking advantage of
au	Content provider	1 - 5	people's and company's ignorance.
			Would like to see more Ifrequent and localised training and information sessions, not just
			large international ones. Alternatively provide a local venue to video conference into
au	Government	0 - 1	international events.
au	Network provider	0 - 1	Unaware of training
au	Network provider	1 - 5	Not aware of any such training
au	Network provider	5 - 10	I have not seen many courses in Au
au	Network provider	1 - 5	Au is OK, but rarely close to Melbourne (if ever?)
bd	Internet body	0 - 1	I have got two traning and workshop in last 2 year.
bd	Network provider	1 - 5	very few

I just wish we could get rDNS for IPv6 2002::/48 ranges. Going via the IPv4 allocating

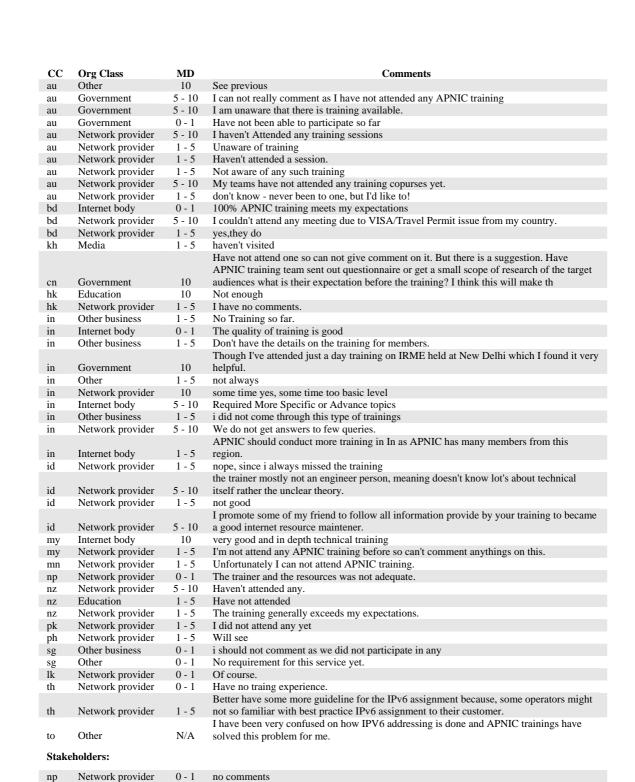
upstream seems to me a reasonable grounds for undertaking it.



A1 – 11: APNIC training meets my expectations

CC Org Class MD Comments

au	Network provider	0 - 1	I have not had training so this is n/a
au	Network provider	5 - 10	have not used
au	Network provider	5 - 10	never used it



A1 – 12: APNIC tutorials and workshops are set at the correct levels

CC Org Class MD Comments

au	Network provider	0 - 1	I have not had training so this is n/a
au	Network provider	5 - 10	have not used
au	Network provider	5 - 10	never used it



\mathbf{CC}	Org Class	MD	Comments
au	Network provider	5 - 10	Hve not attended therefore cannot comment
au	Other	10	See previous
au	Government	5 - 10	Not sure
au	Network provider	5 - 10	Never had to use them
au	Government	0 - 1	Have not been able to participate so far
au	Network provider	5 - 10	I haven't used any tutorials or workshops
au	Network provider	0 - 1	Unaware of training
au	Network provider	1 - 5	Haven't attended a session.
au	Network provider	1 - 5	Not aware of any such training
au	Network provider	1 - 5	don't know - never been to one, but I'd like to!
bd	Internet body	0 - 1	It fullfill proffessionals requirements.
bd	Network provider	1 - 5	yes
cn	Government	10	Sometimes I might just happen walk into the wrong class room.
			This can be a bit of a bother where some participants hold back the progress of the
			training and it would be good for participants to be upfront about this. Also, while
fj	Education	1 - 5	participation is encouraged, it would be good to maintain a record of what participant
hk	Network provider	1 - 5	I have no idea.
in	Internet body	5 - 10	Yes it is set on correct level
in	Other business	1 - 5	No Training so far.
			Yes. The tutorials and material available in the official website is very much useful and
in	Government	10	readable.
in	Other	1 - 5	yes
in	Internet body	1 - 5	Workshops can be conducted more in In especially in Bangalore
in	Internet body	5 - 10	Required moretutorials with sufficient time
id	Network provider	1 - 5	Tutorial and Workshops are not quite okay.
id	Network provider	5 - 10	idem
id	Network provider	1 - 5	minimum
id	Network provider	10	need for management level
id	Network provider	5 - 10	Very useful.
jp	Internet body	5 - 10	I have not attend these
my	Network provider	1 - 5	As personal, I'm not attend any workshops before.
,	F		The tutorials should be more descriptive inspite of bunch of slides with least explaination
np	Network provider	0 - 1	written on it.
P	r tet work pro trace	0 1	I have only attended one IRME APNIC tutorial, so my feedback relates to this tutorial
nz	Content provider	1 - 5	only.
nz	Network provider	5 - 10	Haven't attended any.
nz	Education	1 - 5	Have not attended
	Education	1 3	Sometimes I wouldn't mind something a little more indepth, but on the whole they're
nz	Network provider	1 - 5	great.
nz	Network provider	10	The recent APNIC conference in Christchurch was good.
pk	Government	5 - 10	Never got any chance to participate in any tutorial or workshop
pk	Network provider	1 - 5	Not easy to understandable for beginers
ph	Network provider	1 - 5	will see
sg	Other	0 - 1	No requirement for this service yet.
lk	Network provider	0 - 1	Sure. As i mention earlier better to increase the number of sessions and times. Its Superb.
th	Network provider	0 - 1	Have no traing experience.
to	Other	N/A	the tutorials is related to common problems here in pacific regions
10	Outel	11/11	the tatorials is related to common problems here in paeme regions
Stake	eholders:		
au	Network provider	0 - 1	Not used any, either online or face-to-face
np	Network provider	0 - 1	haven't experienced much
r	1		Two much training is about how to use APNIC services, which is a systemic fault. Need
se	Internet body	0 - 1	to make services easier to use and concentrate on more technical training.

A1-13: APNIC should establish an open funding mechanism to support training and education for organisations in need within the region

CC Org Class MD Comments

au	Other	10	Absolutely!
au	Government	5 - 10	This would be a worthwhile initiative
au	Network provider	0 - 1	Unaware of training
au	Network provider	1 - 5	The seminars are very expensive and haven't seen much training offered.
au	Network provider	1 - 5	that would be a good idea, but at what cost!
bd	Internet body	0 - 1	It will help all professional of that region.



CC	Org Class	MD	Comments
bd	Network provider	1 - 5	yes
kh	Network provider	1 - 5	Indeed, we need more training on IPV6 for next generation of Internet.
			It will depends on how strong the education requirement in the region and how the
cn	Government	10	funding will be managed. For me the free version of eLearning is quite good.
hk	Network provider	1 - 5	People who need training should fund themselves.
in	Internet body	0 - 1	We are waiting to see the results
in	Government	10	Maybe that is a good idea to further enhance the value to its customers.
in	Other	1 - 5	agree
in	Network provider	10	yes i belive they should do that
id	Network provider	1 - 5	Yes i agree with this one.
id	Network provider	1 - 5	IPv6
id	Network provider	5 - 10	Its fair enough considering of geographic factor and community need.
			some of the developing country such as My might not be able to afford the cost of sending
my	Internet body	10	staff for training
			It should be a combined effort from APNIC together with government and regional
			organizations. I do not agree that the initiative should solely rely on APNIC and distracted
my	Network provider	1 - 5	from their original function.
			We have faced a lots of problem in using myapnic and still i do have lot of things that i
np	Network provider	0 - 1	am not so clear and that is the reason that i am not updating the myapnic so frequently.
nz	Network provider	10	APNIC shouldn't `contract out' services.
			Particularly as we transition to IPv6, people outside of the network/technical core roles
nz	Network provider	5 - 10	will need to understand the differences to business processes, records, etc.
nz	Network provider	1 - 5	Further details on this question would be helpful
			yes. this will help more on current members to be more knowledgeable about the
ph	Network provider	1 - 5	resources
			Fellowships to international meetings, like the IGF meeting in Hyderabad, which I was a
ph	Government	5 - 10	fellow, is very helpful in countries like the Ph where travel budget is always lacking.
lk	Network provider	10	as long as APNIC wont increase the membership fees to cover the above cost
			the pacific is behind in IPV6 technology and usage. I recommend this activity as I am a
to	Other	N/A	supporter for APNIC trainings
Stake	eholders:		
Starr			
			APNIC should not be doing training and education. APNIC should establish accreditation
			to industry based training organisations in the region at MOST. Perhaps recommend good
au	Other	0 - 1	training organisations.
			It is not clear what "open funding mechanism" means. Does that mean that no charges
			would be lvied or that sponsorship would be expected to cover costs? It's not really very
be	Internet body	N/A	clear.
			Dont write blank checks though. Translate "funding" into on the ground technical and
			policy assistance such as "rent a hostmaster or external expert to go in for an extended
in	Internet body	N/A	period of time and help make changes", on a per project basis.
np	Network provider	0 - 1	absolute yes

A1 – 14: APNIC communicates useful and relevant information

CC Org Class MD Comments

au	Other business	1 - 5	More relevant to ISP community
au	Other business	10	Until recently, I had not received any regular communication at all.
			Most of the communication is irrelevant to my needs. I am sure that some find it useful
au	Education	5 - 10	though
au	Other	10	Huh!
au	Government	5 - 10	Yes, normally via email
au	Network provider	0 - 1	Have only just joined so not really aware of all the services offered
au	Network provider	1 - 5	broadcast updates seem timely and informative
fj	Education	1 - 5	I really enjoy the research topics covered and how improvements are being carried out.
			Always received a email regarding Apnic training enrollment need to mail the online
in	Internet body	0 - 1	link about the IPv6, ASN etc
			Almost all the information are properly and timely comuicated to the members. No aware
in	Network provider	5 - 10	about the same for non-members
			Yes. We've not come across any issues in interacting with APNIC team as their service is
in	Government	10	of high order.
in	Other	1 - 5	yes
in	Other business	1 - 5	We do not receive any information apart from the bills
id	Network provider	1 - 5	Yes, nothings wrong and the communication went perfectly



\mathbf{CC}	Org Class	MD	Comments
id	Other	10	please provide services in bahasa Id
			More effort needs to be put in to approach the grass roots within Asia Pacific for more
my	Network provider	1 - 5	exposure etc. Example, channeling the information through NIR.
mn	Network provider	1 - 5	yes their communication really good I can take what I want for APNIC.
			apnic should also provide some means of application for scholarship on seminars and
np	Network provider	0 - 1	workshops for deserving

Stakeholders:

au	Network provider	0 - 1	Not to me, as a non member
jo	Education	N/A	Arai MIWA have good face for community.
np	Network provider	0 - 1	sure

A1 - 15: APNIC communicates in a way that meets my needs

CC Org Class MD Comments

Members:

au	Other	0 - 1	Too complex
au	Other business	10	Email is fine
au	Education	5 - 10	See above
au	Other	10	Huh!
			Tendency to send HTML only email, which is quite inappropriate anyway but considering
au	Network provider	5 - 10	the highly technical audience, is bordering on laughable.
au	Network provider	0 - 1	Have only just joined so not really aware of all the services offered
au	Network provider	1 - 5	broadcast updates seem timely and informative
au	Education	0 - 1	Yes, the e-mail updates are fine.
bd	Network provider	1 - 5	yes
	•		Always received a email regarding Apric training enrollment need to mail (time to time)
in	Internet body	0 - 1	the online link about the IPv6, ASN etc
in	Government	10	Yes.
in	Other	1 - 5	ok
id	Network provider	0 - 1	Of course
id	Network provider	5 - 10	bottop-up policy is okay but not the realism
mn	Network provider	1 - 5	if online contact, it could be fine.
nz	Content provider	1 - 5	Email communication is most appropriate for an organisation such as APNIC.
	•		recently i had problems with reverse dns on one of the domain on a government organization in To. APNIC staff have helped me through this process by communicating
to	Other	N/A	with ISP in To.

Stakeholders:

np Network provider 0 - 1 not always

$A1\,\text{--}\,16\text{:}$ The APNIC website helps me understand the activities of APNIC

CC Org Class MD Comments

Members:

au	Other business	10	Rarely visit
au	Other	10	Not at all good. Absolute nightmare!
au	Network provider	0 - 1	Have only just joined so not really aware of all the services offered
au	Network provider	1 - 5	information seems ad-hoc and poorly indexed - it is hard to find the information required.
bd	Network provider	1 - 5	yes
in	Internet body	0 - 1	More information required
			The official website www.apnic.net is ocean of information and we never experience any
			outage even during scheduled maintenance as they always make alternate arrangement to
in	Government	10	fetch the information.
in	Other	1 - 5	agree
in	Other business	1 - 5	very useful and helpdesk always helps us
id	Network provider	1 - 5	The website has it all.
la	Government	5 - 10	it should have that version or lao version:) it will be pettry good
			The APNIC website could use some work to make locating information - especially with
nz	Content provider	1 - 5	respect to resource allocations - more accessible.
			I sometimes find the number of policy documents etc hard to search through for the
			information I'm after. For example, I was asked if there was a policy regarding charging
nz	Network provider	10	of customers for IP space. I could not find any definitive answer.
nz	Network provider	5 - 10	Don't read it much
nz	Network provider	1 - 5	I do find however that finding the information I require is sometimes a bit of an arduous

Comments task. It is an unfortunate side effect of the wide scope of the information that has to be



CC

Org Class

MD

			presented.
lk	Network provider	0 - 1	ya . Now Its good , MyApnic was headache.
to	Other	N/A	all new trainings and activities are advised on APNIC website
Stake	eholders:		
au	Other	0 - 1	The website is horrible to navigate
np	Network provider	0 - 1	more user friendly needed
1 1	7. The APNIC policy	dovoloni	ment process is easy to understand
CC	Org Class	MD	Comments
Mem	bers:		
au	Other business	1 - 5	Have not been involved in policy development
au	Other	10	What policy are we talking about
au	Government	5 - 10	I am not that familiar with the policy process so can not really comment
			often seems intended to promote self importance rather than real internet community
au	Network provider	1 - 5	issues
au	Education	0 - 1	Yes, it's fine. http://www.apnic.net/policy/dev/index.html
bd	Network provider	1 - 5	moderate
	•		While I am aware of the policies that exist and also understand them, I cannot comment
fj	Education	1 - 5	on the policies process as I am unfamiliar with that.
in	Internet body	0 - 1	difficult to understand
in	Government	10	Yes.
in	Other	1 - 5	yes
id	Network provider	10	LIR should sosialize
id	Network provider	5 - 10	Adequate for making policy that influencing my company.
			the idea of consensus may be difficult to be understood by people in this region. 8 weeks
jp	Internet body	10	comment period after the meeting is also too long, could be shortend to 4 weeks.
J1	Ž		Its easy to understand the process but there is a slight feeling of not seeing all parties in forming a consensus. Its due to more of non-exposure for smaller countries rather short

to Other N/AI never know about APNIC policy until chumpika explains it well on PACINET 2008 Stakeholders: Network provider 0 - 1au No idea, not involved the pdp is easy to understand. the policies being developed are, necessarily, complex. and some effort to "bridge" the knowledge gap of various stakeholders might be necessary. N/A in Internet body perhaps holding more sessions in country besides the existing hostmaster train isn't for all..... np Network provider 0 - 1I think the process is easy to understand, but too many people are still grappling with what Internet body consensus decision making means.

sight from APNIC. Thought the effort is there through the Fellowship prog

just disfunctional committees) = not particularly easy to participate in.

Where easy to understand = "requires getting involved with committees" (mailing lists are

APNIC Meeting in Christchurch (first for me) illustrated a grey area in the consensus

MOST of ISP dont participate what i have observed, this may be that dont have skill to

A1 – 18: The APNIC policy development process is an effective way of developing resource management policy CC Org Class MD Comments

Members:

my

mn

mn

nz

nz

pk

Network provider

Network provider

Network provider

Network provider

Government

Internet body

1 - 5

5 - 10

10

5 - 10

1 - 5

5 - 10

sometimes

sometimes

participate

development space.

	0.1 1 1		
au	Other business	1 - 5	Have not been involved in policy development
au	Other	10	What process?
au	Government	5 - 10	I am not that familiar with the policy process so can not really comment
au	Network provider	1 - 5	I don't know - I wonder whether my contributions have even been considered?
bd	Network provider	1 - 5	yes
in	Internet body	0 - 1	no comment
in	Government	10	Yes.
in	Other	1 - 5	ok
jp	Internet body	10	only a small no.of people speak out and participate in the process, probably not so much the issue of the process itself but to make people want to participate in the process.



CC	Org Class	MD	Comments
jp	Internet body	5 - 10	I think the process is not effective but right.
jp	Internet body	10	majority of the participants don't speak out, so sometimes makes me wonder how representative the process is for the region. probably not so much the issue of the process itself, but making people feel they want to, and need to participate.
31	Ĭ		I don't think so still I did not take any good advantages from APNIC to developing
mn	Network provider	1 - 5	resource management
nz	Government	1 - 5	See above
nz	Education	1 - 5	Have not participated
nz	Network provider	5 - 10	Policmaking appears slow and poor. Obvious solutions don't appear to get done e.g. resource transfer, assignment of IP6 resources based on IP4 usage etc.
nz	Network provider	1 - 5	The PDP is effective in that it produces desirable policy, however the steps currently waste effort and are confusing. Meetings where "consensus" is not clear? Seeking consensus from two meetings (policy sig & AMM). It leaves stakeholders feeling confused
Stake	eholders:		
au	Other	0 - 1	What are the conditions that a sig chair accepts a policy? What is consensus? and how can consensus be reached in a room? the consensus process should be moved to the mailing list _only_ and a policy lifecycle created. The meeting should be a place for as
be	Internet body	N/A	It has become more effective since Randy took over the chairmanship of the Policy SIG. I think the process is only as efficient as the people running it and tit needs to be actively managed by someone committed to helping the participants understand what
00	internet soup	11/11	It is up to people to utilize it to the max. It might be up to apnic to push people into the
in	Internet body	N/A	process with, sort of, a lifebelt so they dont sink as soon as they land into it.
np	Network provider	0 - 1	yes
nz	Internet body	1 - 5	The one thing that always bothers me about RIR (all of them, based on my limited exposure in other areas) is the relatively small number of people that are effectively driving the whole process. There seems to be only one or two dozen 'regulars' that rea

A1 – 19: The current policy development process provides me with the tools to participate in the process CC Org Class MD Comments

Members:

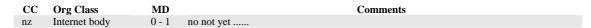
au	Government	1 - 5	If you're represented within the mailing lists / meetings, you get a voice.
au	Network provider	1 - 5	ok
au	Government	1 - 5	Have not been involved in policy development
au	Network provider	10	Does it?
au	Network provider	10	I haven't followed this closely so can't give a informed response.
au	Government	1 - 5	If you're represented within the mailing lists / meetings, you get a voice.
au	Network provider	1 - 5	ok
au	Government	1 - 5	Have not been involved in policy development
au	Network provider	10	Does it?
fj	Government	1 - 5	Have not participated
fj	Government	1 - 5	Have not participated
in	Vendor	1 - 5	Whois search is not the best.
id	Network provider	5 - 10	Have not been involved in policy development
id	Other	1 - 5	I don't think so this job is not enough for me
id	Other	5 - 10	But, I never participating :(
nc	Network provider	1 - 5	MyAPNIC needs to be easier to get into
nc	Network provider	1 - 5	MyAPNIC needs to be easier to get into
			there is no way information about policy is being distributed and described for non
nz	Education	N/A	APNIC members to understand. Its like only asia countries understand these policies.
			there is no way information about policy is being distributed and described for non
nz	Education	N/A	APNIC members to understand. Its like only asia countries understand these policies.
pk	Other	5 - 10	I have not participated in this process
pk	Network provider	1 - 5	I suppose so, but no indication of whether participation is ever acknowledged
pk	Other	5 - 10	I have not participated in this process
ph	Network provider	10	Yes.
ph	Education	5 - 10	Not quite sure
ph	Network provider	1 - 5	yes
ph	Network provider	10	Yes.
Stak	eholders:		
au	Other	N/A	As non-paying member I don't find access to input easy.
			1 0 0

Other

nz

Again tools, yes .. training to use tools, yes. But understanding of policies?





would prefer a topic on more IPV6, industry insight and technical forum.

A1 - 20	A1 - 20: The content and activities of APNIC meetings are at a level of importance and interest that I want to attend					
CC	Org Class	MD	Comments			

	r tetti orii pro traer	- 0	would prefer a topic on more if yo, maasary morgan and teemmear foram.
au	Other business	1 - 5	Have not attended an APNIC meeting
au	Education	5 - 10	I would like to attend but their location make it unlikely
au	Other	10	Why would I attend when nothing is going to happen and minorities have too uch say
			As a non-member some of the policy content is not so relevant to my organisation. I do
au	Government	5 - 10	like the technical sessions - for example, DNS and IPv4 and IPv6
au	Government	0 - 1	Dont know
			It can be hard to justify travelling to them. Co-meetings with regional or country NOGs
au	Network provider	5 - 10	are good.
au	Network provider	0 - 1	Have only just joined so not really aware of all the services offered
			There has never been any agenda containing issues important enough to warrant the
au	Network provider	1 - 5	expense (time and cost) of attending.
			I haven't really felt the need to get involved with APNIC, apart from paying for our block
au	Education	0 - 1	of IPs.
			Most of teh meetings are held in otehr Asia Pacific countries, we can not affiord to send
hk	Network provider	1 - 5	our staff tp attend.
in	Internet body	0 - 1	you can't say that
in	Content provider	1 - 5	a lot more is expected. Emails were sent intially.
in	Government	10	Yes.
in	Other	1 - 5	not always
			but will be always at remote locations and if APNIC provides us tickets and accomodation
in	Other business	1 - 5	we can surely attend the same
id	Network provider	1 - 5	Yes, APNIC meetings is very important
id	Network provider	5 - 10	boring
id	Network provider	5 - 10	But, not as long as I work in this provider.
mn	Network provider	1 - 5	I don't know it

i haven't yet participated in apnic meeting

sometime. location problem.

No requirement for this service yet.

Ya . face to face meeting are less.

I haven't attended but staff who did are supportive

I'm an engineer, not so interested in some of the dry policy aspects.

I'm so sorry that I cannot give any idea since I hardly join the APNIC meeting. the APNIC meeting in Christchurch NZ, was a disaster for myself as I was expecting to

Stakeholders:

np

nz nz

ph

sg lk

th

to

Members:

Network provider

Network provider

Network provider

Network provider

Network provider

Network provider

Government

Other

Other

10

0 - 1

10

1 - 5

1 - 5

0 - 1

0 - 1

5 - 10

N/A

au	Network provider	0 - 1	Most are well over my head.
			The meetings are interesting, however is two per year really required? Why can't it be
au	Other	0 - 1	done with just one? It costs money to go to meetings - money better spent elsewhere.
np	Network provider	0 - 1	perhaps
			I find most of the meetings advertised so far to be behind the front line of tech I've already
nz	Content provider	N/A	reached (tutorial meetings) or are in areas with no relevance to my scale of business.

learn router configurations on the deployment of IPV6.

A1 - 21: The remote participation options (video and audio streams, live session transcripts, chat rooms, and archived media) are easy to use

CC	Org Class	MD	Comments
Mem	bers:		
au	Network provider	0 - 1	I do not know. I have not tried to access them.
au	Network provider	0 - 1	Have not participated so far
			A remote participant still cannot contribute to an APNIC meeting session as readily as a
au	Network provider	10	meeting attendee; this could be improved by better teleconferencing facilities.
au	Network provider	5 - 10	never tried! But it is a great idea.
au	Network provider	5 - 10	never used it
au	Other business	5 - 10	I haven't tried them
au	Education	10	Times and options are limited
au	Other	5 - 10	Reserve comment, too amy Geeks
au	Government	10	Not aware of such options



CC	Org Class	MD	Comments
au	Government	1 - 5	I did not knew that there were A/V streams and other media available to use.
au	Government	0 - 1	Not aware of them
au	Government	10	Never used them.
au	Network provider	0 - 1	Have only just joined so not really aware of all the services offered
au	Network provider	5 - 10	I have not yet uesed them but will be shortly
au	Network provider	1 - 5	not aware of this
	r vet work pro vider		I haven't really felt the need to get involved with APNIC, apart from paying for our block
au	Education	0 - 1	of IPs.
bd	Network provider	1 - 5	100
cn	Government	5 - 10	Have not use that options
CII	Government	5 10	I currently use such areas to assist in the delivery of my Cisco Networking class and I can
fj	Education	10	also relate the curriculum better to my students.
hk	Network provider	10	I don't know there is such materials for me to use
hk	Network provider	1 - 5	I do not know, I havenot yet use the chat room.
III	rectwork provider	1 3	i have not aware about the video /audio streams now you can imagine it is not easy to
in	Internet body	0 - 1	use
in	Government	5 - 10	Yes.
in	Other	10	Need to check again
111	Other	10	APNIC should take care that all the online sessions are informed to all thru mail and no
in	Government	0 - 1	member from any organisation is left out
in	Other business	5 - 10	Have no knowledge on such programs so would not be able to comment
in	Network provider	5 - 10	No comments. Never used live sessions.
id	Network provider	1 - 5	never had it.
id	Network provider	1 - 5	Apric chat room is very quick respons.
id	Network provider	10	need more user friendly
jp	Internet body	0 - 1	but I can't use jabber chat because of our company's security policy.
mn	Network provider	5 - 10	I did not try it because any video & audio did not come from APNIC.
nz	Network provider	1 - 5	Local network issues often interfere with streaming media
112	r vetwork pro vider	1 0	Some streams are better than others, but having the stream, and the jabber chat available
			to me means that I can decide on my level of interaction based on the day, and what level
nz	Network provider	1 - 5	of workload I have on. It's very helpful having the various options.
pk	Government	5 - 10	Cannot comment as do not have a chance to attend.
ph	Network provider	5 - 10	dont know of any
sg	Network provider	10	I did not participate
sg	Other	0 - 1	No requirement for this service yet.
lk	Network provider	1 - 5	Ya, then we could get more involvement.
th	Network provider	0 - 1	Have never use those
Stak	eholders:		
au	Network provider	0 - 1	Transcripts are the only media I would use from that list
			It is not APNIC's fault, but my company technicaly blocks the streaming packets. So I
jp	Network provider	N/A	had to take two days off for remote participation.
np	Network provider		never seen, heard, or used yet)

${ m A1-22: APNIC}$ should be involved with activities and events of operator groups, ISP associations, government and education institutions in the region

CC Org Class MD Comments

			Within reason - It would be good in circumstances where it can either help APNIC
			understand the needs of its members, or where APNIC can help Government understand
au	Network provider	0 - 1	the needs of APNIC members.
au	Other	10	Not enough done
au	Government	5 - 10	Not quite sure
au	Network provider	5 - 10	within reason
au	Content provider	5 - 10	Yes, APNIC representation at events like AUSNOG and other network operator events
au	Network provider	1 - 5	absolutely required to maintain relevance and presence
			Not sure how they'd help. I appreciate the efforts of AARNet, the organisation that
au	Education	0 - 1	provides our internet connection, but I'm not sure what APNIC could contribute.
			The talks at AusNOG this year from both Geoff and Elly were worthwhile (In my
au	Network provider	0 - 1	personal opinion)
bd	Network provider	1 - 5	yes
	•		Whilst focus may be on service providers, educational institutions should be given the
			opportunity to get involved. I doubt a lot of University students here in Fj taking IT really
fj	Education	1 - 5	know about APNIC and what their purpose is apart from what they read.



CC	Org Class	MD	Comments
in	Internet body	0 - 1	yes
in	Content provider	1 - 5	Pleaseeeeeeeee do it for ISP's.
in	Government	10	Yes.
in	Other	1 - 5	agree
. 1	N. 1 '1	1.5	Yes, this is so nice. Because sometimes APNIC just want to deal only with the Asia Pasific Region. By entering the inside country, perhaps ISP, groups of Operators will
id	Network provider	1 - 5	have a clear line of rules to obey.
id	Network provider	5 - 10	I didn't see any importance for government.
nz	Network provider	10	Involved, no, lead, yes.
nz	Network provider	10	I would have assumed this already.
sg	Other	0 - 1	No requirement for this service yet.
lk	Network provider	0 - 1	For some extend
to	Other	N/A	APNIC will understand more of what is needed from them in order for IPV6 to be highly requested by governments in the Pacific region
Stake	eholders:		
au	Other	0 - 1	It should be the other way around. APNIC should directly invite and lobby those organisations to be involved in APNIC.
			not just apricot and sanog. individual / one to one relationships with various isp
in	Internet body	N/A	associations, colleges etc.
jp	Network provider	N/A	Miwa-san does well.

And you have been present as far as I've seen. Good job.

Slightly biased response due to my involvement with NZNOG, and APNICs much valued

A1 - 23: APNIC effectively represents the interests of Asia Pacific network operators in global forums CC Org Class

support of NZNOG each year thus far :).

it is absolutely sure.....

Members:

Network provider

Content provider

Internet body

0 - 1

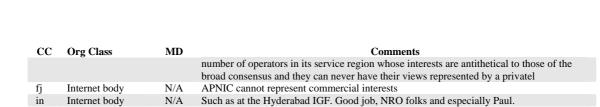
N/A

np

nz

nz

au	Network provider	0 - 1	I have not looked into this so I do not know
			The key role of APNIC should be to manage Internet resources for the Asia-Pacific
			Internet community; APNIC is not intended to be a network operators' industry or lobby
au	Network provider	10	group, and so APNIC should not be specifically representing network operators' interes
au	Other business	10	Have nop byisibility of this so cannot say.
au	Other	10	Does it? Far too many minority groups have too much say!
au	Government	5 - 10	Yes, I believe APNIC does a very good job at representing the region.
au	Content provider	5 - 10	Very much so.
au	Government	0 - 1	Dont know
au	Network provider	1 - 5	not aware of any representation/s to the global community
au	Education	0 - 1	No idea.
bd	Network provider	1 - 5	yes
	•		APNIC cannot represent any network operators. APNIC is the function as IP resources
hk	Network provider	10	allocation and facilitate the communication among industry only.
in	Internet body	0 - 1	This is only for big operators not for B or C Class operators
in	Content provider	1 - 5	not sure
in	Government	10	Yes.
in	Other	1 - 5	yes
			It is not at all known how the interest are represented, eg large IPv4 addresses are blocked
in	Network provider	5 - 10	in other regions. I have not seen any effective step(s) for the same.
in	Other business	1 - 5	Have no idea of APNIC participation in the global forums
in	Network provider	5 - 10	No comments
jp	Internet body	10	paticipation from operators do not seem to be high in general
	·		probably more than before with APOPS being a part of the program for the past few
			meetings. it would be nice to see more participations from operators throughout the
jp	Internet body	10	region.
-	•		I do not see alot from APNIC in forums. I see mostly comentary from ARIN and RIPE
us	Other business	1 - 5	memebers.
~ .			
Stak	eholders:		
au	Network provider	0 - 1	Probably. Outside my area of activity
	•		APNIC is a policy organisation, not a representational organisation. It should not stand
			and speak for AP operators. instead regularly post and relay global forum events to AP
au	Other	0 - 1	mailing lists for comment and new policy application.
be	Internet body	N/A	I think that APNIC does a good job at representing the broad consensus but there are a



Members:

np

Network provider

0 - 1

au	Network provider	0 - 1	I have not looked into this so I do not know
			In partcular I feel very strongly with my answer as I beleive antisocial and illegal
			behaviour that peddles in proffering from those less informed as to ho to protect them
au	Other business	0 - 1	seles needs govt support.
au	Other	10	Now we're talking!!
au	Government	5 - 10	This could be a good thing
			Im not sure of the level of representation currently to government, however to help with
			IPv6 transition there should be a push from Apric to make the Aun Govt aware of the
au	Content provider	5 - 10	address space problem and get the govt to assit / push / help with transiti
au	Government	0 - 1	Dont know
au	Network provider	1 - 5	I don't consider government/industry liaison to be a function of the **-NIC groups
bd	Network provider	1 - 5	yes
in	Other	1 - 5	yes
			But it should be through Industry associations to prevent gaps in mutual understanding. eg
in	Network provider	5 - 10	ISPAI in In.
			Yes Representation and educating governments would reap better usage of applications
in	Other business	1 - 5	over internet
			Yes this is a gree much. APNIC should have higher level representation above the
id	Network provider	1 - 5	goverment. So that everyone can obey the rules of APNIC.
			Is it important? It is hard to communicate with government about internet, that they didn't
id	Network provider	5 - 10	do before. They have a very different view.
jp	Internet body	10	more liaison with each govenments/economies may be good to have in the future
		10	Not sure. it may depend on the area. as a general concept, it seems like a good idea to
jp	Internet body	10	maintain good relationship and contacts with governments within the region.
my	Network provider	1 - 5	Especially the local regulators.
nz	Network provider	10	Governments need leadership from APNIC.
			Especially with the impending (and almost certain) trading of IP numbers, and having
			them becoming a commercial commodity. I feel it is important that the RIRs (and the
nz	Network provider	1 - 5	NIRs where appropriate) liaise with local government to discuss the impacts that this
			there is still a cap between APNIC and government officials, and for IP
	0.1	37/4	resources/technologies to be utilised on Pacific region, it must be decided by government
to	Other	N/A	officials and this is where APNIC need to focus on.

Stakeholders:

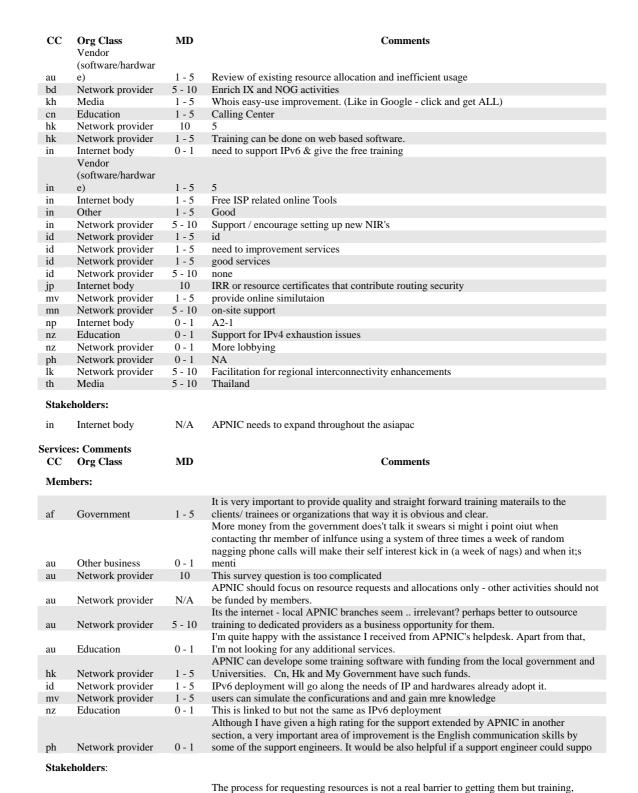
au	Network provider	0 - 1	Don't they now?
			APNIC doesn't need a higher body. It should itself lobby governments and industry
			directly. The RIR system doesn't need another layer of bureaucracy. If the question were
au	Other	0 - 1	'APNIC should lobby AP governments and industry", then 100% yes.
in	Internet body	N/A	It is kinda essential especially in developing countries or across most of asia.
np	Network provider	0 - 1	that is where I agree 100 percent
			This is a double-edged sword. While there may be some advantages to it, it opens the door for significant APNIC resources to be diverted away from core work. It may also attract
se	Internet body	0 - 1	unwanted pressures and interests.

A2 – 7: Services – Additional area for resource allocation

\mathbf{CC}	Org Class	MD	Comments
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Members:

af	Government	1 - 5	Training Materials
			Expand training activities in scope, geographical coverage and online options Expand
			local presence by opening APNIC branches Streamline resource requests and allocation
au	Other business	0 - 1	processes Support network engineering education in the Asia Pacific region
au	Network provider	5 - 10	Easier web interface and management
au	Network provider	5 - 10	Educte the general public of (Internet users) APNICs funtion
au	Network provider	5 - 10	Allocation of IP ranges



Internet body

Internet body

be

in

N/A

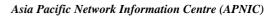
N/A

education and support are possible barriers. I think it's most important to allocate

resources to removing the knowledge barriers. Once these are gone the allocation

NIR is relatively less competent, and where the NIR model results in bids (successful bid

Kind of a viable alternative to NIRs - which, though the idea is good (!) when implemented by "clued" parties, will speedily break down in two situations - where the



Comments



CC

Org Class

MD

APNIC Member and Stakeholders Survey 2009

February 2009

nn	Network provider	0 - 1	no comments
np	retwork provider	0 - 1	IPv6 deployment. Well, I don't think any of the players really need extra assistance
			outside of education and encouragement. I'm throwing most of my v6 resource vote
			towards training. We all have our own resources to throw at gradual hardware upgrades
nz	Content provider	N/A	and
	-		
A2 - 9		dditional	l area for resource allocation
CC	Org Class	MD	Comments
Men	ibers:		
			Extend the use of APNIC multimedia communications Increase the support of the
	Other business	0 - 1	community's efforts to adopt IPv6 APNIC involvement in the support and development
au au	Network provider	5 - 10	of regional operator forums (NOGS, IPv6 groups etc.) Release unused IP range being held and nto use by large providers
hk	Network provider	5 - 10	10
hk	Network provider	1 - 5	16 bits ASN is needed in VOIP service, IPV\$ ASN can slow down the connection.
	Vendor		· · · · · · · · · · · · · · · · · · ·
	(software/hardwar		
in	e)	1 - 5	5
in	Other	1 - 5	good
id	Network provider	1 - 5	id
id	Network provider	1 - 5	more comunicate
id	Network provider Network provider	5 - 10 1 - 5	none online pulications via mail
mv ph	Network provider	0 - 1	NA
•	•	0 1	141
Stak	eholders:		
in	Internet body	N/A	Communication in the asiapac region is VERBAL / PERSONAL
	•		·
	nunication: Comment		~ .
CC	nunication: Comment Org Class	s MD	Comments
CC			Comments
CC	Org Class		
CC	Org Class		My scores were higher in this bit pronably and this is believes I stongly think that with
CC Men	Org Class	MD	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any community are
CC	Org Class		My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any community are noy only enhanced as technolology can be fun, bring accountability act as a
CC Men	Org Class	MD	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any community are
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CC Mem au	Org Class abers: Other business	MD 0 - 1	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any community are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with
au au	Org Class abers: Other business Education	MD 0 - 1 0 - 1	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any community are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any community are
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au au	Org Class abers: Other business Education	MD 0 - 1 0 - 1	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a A2-7 It's useful if all RIRs can publish stats in their own region. The consolidation
au au au	Org Class abers: Other business Education Other business	0 - 1 0 - 1 0 - 1	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a A2-7 It's useful if all RIRs can publish stats in their own region. The consolidation information can be published in IANA. This requires high level of collaboration among
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au au hk	Org Class abers: Other business Education Other business Network provider	0 - 1 0 - 1 10	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a A2-7. It's useful if all RIRs can publish stats in their own region. The consolidation information can be published in IANA. This requires high level of collaboration among RIRs. It is funny an IPV\$ address cost US\$0.14/per annum while an IPV6 address cost US\$0.16/per annum. This does not encourage the usage of IPV6 address. most of the
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au au hk	Org Class abers: Other business Education Other business Network provider	0 - 1 0 - 1 10 1 - 5	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a A2-7. It's useful if all RIRs can publish stats in their own region. The consolidation information can be published in IANA. This requires high level of collaboration among RIRs. It is funny an IPV\$ address cost US\$0.14/per annum while an IPV6 address cost US\$0.16/per annum. This does not encourage the usage of IPV6 address. most of the dual mode wifi/GSM phone are on IPV4 addresses. email the weekly or monthly publications dierct to email addresses
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au au hk hk mv	Org Class abers: Other business Education Other business Network provider Network provider Network provider Network provider eholders:	0-1 0-1 10 1-5 1-5	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a A2-7 It's useful if all RIRs can publish stats in their own region. The consolidation information can be published in IANA. This requires high level of collaboration among RIRs. It is funny an IPV\$ address cost US\$0.14/per annum while an IPV6 address cost US\$0.16/per annum. This does not encourage the usage of IPV6 address. most of the dual mode wifi/GSM phone are on IPV4 addresses. email the weekly or monthly publications dierct to email addresses AKA one to one, face to face. Having multimedia and even remote participation is nice, but hardly any people will actually use it to its maximum potential. Outreach must be
au au hk	Org Class abers: Other business Education Other business Network provider Network provider Network provider	0 - 1 0 - 1 10 1 - 5	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technology can be fun, bring accountability act as a A2-7 It's useful if all RIRs can publish stats in their own region. The consolidation information can be published in IANA. This requires high level of collaboration among RIRs. It is funny an IPV\$ address cost US\$0.14/per annum while an IPV6 address cost US\$0.16/per annum. This does not encourage the usage of IPV6 address. most of the dual mode wifi/GSM phone are on IPV4 addresses. email the weekly or monthly publications dierct to email addresses AKA one to one, face to face. Having multimedia and even remote participation is nice, but hardly any people will actually use it to its maximum potential. Outreach must be active, and face to face. More travel, more local reps / branches for apnic i
au au hk hk mv Stak	Org Class abers: Other business Education Other business Network provider Network provider Network provider eholders: Internet body	0-1 0-1 10 1-5 1-5 N/A	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a A2-7 It's useful if all RIRs can publish stats in their own region. The consolidation information can be published in IANA. This requires high level of collaboration among RIRs. It is funny an IPV\$ address cost US\$0.14/per annum while an IPV6 address cost US\$0.16/per annum. This does not encourage the usage of IPV6 address. most of the dual mode wifi/GSM phone are on IPV4 addresses. email the weekly or monthly publications dierct to email addresses AKA one to one, face to face. Having multimedia and even remote participation is nice, but hardly any people will actually use it to its maximum potential. Outreach must be active, and face to face. More travel, more local reps / branches for apnic i I think APNIC needs more language translation. For example, if this survay is writen in
au au hk hk mv	Org Class abers: Other business Education Other business Network provider Network provider Network provider Network provider eholders:	0-1 0-1 10 1-5 1-5	My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technolology can be fun, bring accountability act as a My relationship with APNIC is likely different than that of others. To me, it's not unlike a utility, such as gas or electricity - tell me if there's a problem, otherwise, I have no need for communication. My scores were higher in this bit pronably and this is believes I stongly think that with enhanced technology (any tecgnology of relevance here) that lives in any communiity are noy only enhanced as technology can be fun, bring accountability act as a A2-7 It's useful if all RIRs can publish stats in their own region. The consolidation information can be published in IANA. This requires high level of collaboration among RIRs. It is funny an IPV\$ address cost US\$0.14/per annum while an IPV6 address cost US\$0.16/per annum. This does not encourage the usage of IPV6 address. most of the dual mode wifi/GSM phone are on IPV4 addresses. email the weekly or monthly publications dierct to email addresses AKA one to one, face to face. Having multimedia and even remote participation is nice, but hardly any people will actually use it to its maximum potential. Outreach must be active, and face to face. More travel, more local reps / branches for apnic i



A2 - 7: Technical - Additional area for resource allocation

CC Org Class MD Comments

Members:

			Research and development activities (for example: network monitoring and measuring,
			routability testing) Develop web services for automated data exchange with external
au	Other business	0 - 1	systems Develop web services for automated data exchange with external systems
au	Network provider	5 - 10	DNS security reporting
kh	Media	1 - 5	Looking glass is good idea as well.
			Communicate with anti-spam organizations, provide dynamic ip address allocation
cn	Network provider	5 - 10	information
cn	Education	1 - 5	All kinds of Network Security
hk	Network provider	5 - 10	10
hk	Network provider	1 - 5	SEt up IPV6 and IPV4 interchange gateways in Asia Pacific countries.
	Vendor		
	(software/hardwar		
in	e)	1 - 5	40
in	Network provider	5 - 10	IPv6 implementaion at an early stage
in	Internet body	N/A	Bots / security should be a huge focus
id	Network provider	1 - 5	id
id	Network provider	1 - 5	more responsive
id	Network provider	5 - 10	none
jp	Other	0 - 1	Enhance robustness of services, no need for extra pops to mismanage
np	Network provider	0 - 1	Job opportunity expansion for technician of developing countries
nz	Network provider	5 - 10	Facilitate peering exchanges
nz	Network provider	0 - 1	Develop next gen partnership bodies to enhance shared infrastruture in region
ph	Network provider	0 - 1	NA

Stakeholders:

Technical: Comments

CC Org Class MD Comments

Members:

au	Other business	0 - 1	I hope I helped pleae tell me if you want anyhing else or if I can help furthrther, ****** As I work full time in the telo indusrt with Telstra in the cbd and do shift work in the inbound cakk c
			Really, if I don't experience any issues with my APNIC services (and to date, I haven't), I don't have an opinion on how they allocate their technical resources. Keep things working,
au	Education	0 - 1	lower my annual fees if possible, and I'm happy.
hk	Network provider	1 - 5	This will speed up the usage of IPV6 in Asia Pacific region.
in	Content provider	1 - 5	A2-1, A2-2, A2-3, A2-6 all are very important. All needs to be expedited.
in	Other	1 - 5	good

Stakeholders:

be	Internet body	N/A	If there had been more context to some of these options I may have distributed the points differently. For example There is no context to A2-2. Why would APNIC be doing this? Is it for use by APNIC or for some other reason? It is not clear whether A
in	Internet body	N/A	Most of the really vulnerable actors are within the apnic area. And one of the largest "sources" of hosting (due to isp unawareness of policies, perhaps) - cn - is in the apnic area.
111	internet body	IN/A	area.
nz	Content provider	N/A	All are amost equally important.

B1 - 1: Have you deployed or are you ready for immediate IPv6 deployment?

CC Org Class MD	Comments

Members:

112022				
au	Network provider	0 - 1	Deployed	
au	Network provider	5 - 10	We are in the initial investigation phase	
au	Network provider	5 - 10	deployed test network in Asia pacific - full testing for wide scale deployment underway	
			We have deployed a large-scale IPv6 network and offer native IPv6 transit services to	
au	Network provider	1 - 5	customers today, in AU and NZ.	
au	Network provider	5 - 10	Many security products in the market are not!	

^{***} Identifiable information has been removed

APNIC Member and Stakeholders Survey 2009 February 2009

CC	Org Class	MD	Comments
au	Internet body	1 - 5	need to research impact on existing deployments
au	Government	5 - 10	No business driver to do so at this time
			No current immediate business requirement - seems more prudent to wait for last minute
011	Notwork provider	5 - 10	before purchasing new hardware. Some of our upstream providers are not IPv6 capable yet, so again would be a bit of a local bubble.
au	Network provider	3 - 10	Yes, but need a local IPv6 transit provider. (Currently have OPtus, AAPT and Uecomm
			connectivity and none do native IPv6 as of yet) Routing core is ready, IPv6 Range has
au	Content provider	5 - 10	been allocated, and billing systems are in place.
au	Network provider	5 - 10	Pending Provider Adoption of IPv6
au	Network provider	5 - 10	Still testing IPv6 support for all our equipment.
au	Network provider	1 - 5	We would like to, but need more training yet
au	Network provider	5 - 10	We have a little IPv6
au	Network provider	1 - 5	high on my priroty list - probably during 2009
au	Education	0 - 1	No, our hardware is not IPv6 compatible at this point.
kh	Network provider	1 - 5	Need to learn deeply more.
kh	Media	1 - 5	Don't know what is it and how to adopt to IPv4
cn	Network provider	0 - 1	devices not ready for IPV6 Our organization has been successful in the deployment of IPv6. I was not directly
			involved in the actual technical side of things but I do understand what was done and
fj	Education	1 - 5	liaised with Terry Rupeni during the phase change.
fj	Government	0 - 1	still in the planning process and relying heavily on APNIC to provide technical support
3			no enough information on what we need to manage IPv6 : Hardware requierement,
fr	Other	0 - 1	configuration how to, IPV6 <-> IPV4 interraction
in	Internet body	5 - 10	bur ready to deployment IPv6
			I am aware about the IPv6 advantages & we are readybut first stem is taken by our
in	Internet body	0 - 1	backbone ISP
in	Network provider	5 - 10	we've received Ipv6 prefix and are shorlty deploying in the network
	C .	10	We've attended few workshops and not yet serious in rolling IPv6 as there are lots of
in in	Government Government	10 5 - 10	doubts. we are just testing
111	Government	3 - 10	We are very keen to switch to IPv6. Due to unavailability of approach form service
in	Other	1 - 5	provider
in	Network provider	5 - 10	Under process
in	Other business	1 - 5	With little support form APNIC
id	Network provider	N/A	Still Preparing
id	Network provider	10	still upgrading infrastructure
id	Network provider	1 - 5	We already did trial but it will depend on progress of supporting hardware and adaptation.
id	Network provider	5 - 10	Trial network still in work, running but in a very small network.
my	Network provider	1 - 5	Dual stack environment.
my	Network provider	0 - 1 5 - 10	In the process of getting connectivity to 6-BONE
mn mn	Network provider Other	5 - 10	we are still using IPv4 not yet
mn	Network provider	5 - 10	Economical issues
mn	Network provider	0 - 1	We are planning to start testbed to train our staff.
np	Network provider	0 - 1	i dont know much about ipv6
•	1		We have received an IPv6 allocation from APNIC, and are deploying IPv6 across our
nz	Content provider	1 - 5	network infrastructure now. IPv6 application services are not planned for as yet.
			Well, almost. Network wise we're as ready as the vendors will allow us to be (Juniper
nz	Network provider	5 - 10	need a kicking about licensing). Back end systems no.
nz	Government	1 - 5	Work in Progress, training for engineers to occur this year. Limited exposure to date.
			We have turned IPv6 on some of our external internet devices. We are also planning towards commercial IPv6-based services to domestic customers in various
nz	Network provider	10	configurations/scenarios
IIZ	Network provider	10	We have a temporary deployment in place, and we will be fully IPv6 compliant, and
nz	Network provider	1 - 5	offering it is a native service in the new year.
nz	Network provider	0 - 1	Personally not as part of ALU, rest of comments relate to ALU NZ
pk	Internet body	1 - 5	But think to deploy IPV6
ph	Network provider	5 - 10	IPv6 ready in some parts
ph	Network provider	0 - 1	We are in the early testing stages
			end clients are expanding and upgrading their technology to IPv6 version, so we really
ph	Network provider	1 - 5	need to have IPv6 resources within this year
- 11	NT . 1 . 1 . 1	5 10	Already deployed IPv6 in ISP Network. Customers connected. Site url:
lk	Network provider	5 - 10	www.ipv6.sltnet.lk
lk	Network provider	0 - 1	I am hoping to do. My team is waiting for upgrading core network equipment for support IPv6 feature, BTW,
th	Network provider	5 - 10	some area in our network can suppory IPv6 for experimental environment for my
	1.00mork provider	5 10	some area in our network can support it to for experimental environment for my

CC	Org Class	MD	Comments
			customers.
to	Other	N/A	I dont have resources i.e routers, skills to deploy IPV6.
us	Other business	1 - 5	can not get V6 PI space as and end-site. expect to be ready to deploy in 12 to 18 months.
vn	Other business	1 - 5	we need supports if it is possible
Stakeholders:			

in np

nz

we are predominantly a email provider. and as yet there's little or no v6 traffic in email except for a few geek lists and such. that is what would be needed to drive adoption. hell Internet body N/A even the spammers arent getting v6 space yet. Network provider 0 - 1 ready for deployed Already deployed 2002::/48. awaiting upstream transition for native allocation. Content provider N/A

B1 - 2: Does your organisation have a formal plan to deal with the deployment of IPv6?

CC Org Class Comments

Members:

Mem	bers:					
au	Network provider	0 - 1	Already running production IPv6 services			
au	Network provider	5 - 10	Not as yet			
au	Network provider	5 - 10	in draft			
au	Network provider	1 - 5	Implemented			
au	Network provider	5 - 10	Not Sure			
au	Internet body	1 - 5	to be formulated after impact on existing deployments identified			
	, , , , , , , , , , , , , , , , , , ,		We have a non formalised plan to roll out as new services are provided to end users			
au	Network provider	5 - 10	effective ASAP			
au	Network provider	5 - 10	It's being worked on but is not complete.			
au	Network provider	1 - 5	We would like to, but need more training yet			
au	Other business	1 - 5	research driven			
au	Network provider	1 - 5	not /yet/			
au	Education	0 - 1	We're a very small organisation. We'll deal with IPv6 when it becomes an issue for us.			
bd	Internet body	1 - 5	We have informal plan			
kh	Network provider	1 - 5	Not ready due weak resources.			
	_		At this point point we currently have our major links as well as servers on IPv6 and			
			tunneling is also being carried out as well. We have not however fully deployed IPv6 to			
fj	Education	1 - 5	the entire University clients locally and to our 12 member countries. Whilst w			
			At this point in time the organisation is still dealing with issues afffecting its IT			
			infrastructure, the ITC services of the government deals with issues regarding IPv6 and			
fj	Government	0 - 1	allocates addresses to government bodies			
fj	Government	0 - 1	in the process			
fr	Other	0 - 1	Would like to			
			There is no market demand and no IPv6 contents to drive the IPv6 deployment. Most			
hk	Network provider	10	applications are still running in IPv4 and there is nothing one can do when IPv6 is used.			
			All our low cost Wi-Fi phoens are to be build on IPV4 basis. Some IPV^ phones will net			
hk	Network provider	1 - 5	to tunnel via IPV4 routers.			
in	Internet body	0 - 1	not any formal plan but we are gathering all the required information about IPv6			
in ·	Network provider	5 - 10	Currently we are using a test bed, but the formal plan is not complete as of now			
in	Government	10	Not yet. We need to look into this at the earliest.			
in	Other	1 - 5	Delayed because of discomfort withIPv6			
in	Network provider	5 - 10	Working out			
in id	Other business	1 - 5	Not yet.			
10	Network provider	5 - 10	From my R&D Department.			
			We do have our internal allocation and deployment policies in place but we also considered room for changes due to the existing non production scenario. Expect things to			
1037	Network provider	1 - 5	change as the adoption rate increases with hopefully content providers taking the lea			
my mn	Network provider	5 - 10	we want to use IPv6 but haven't formal plan			
mn	Network provider	0 - 1	Currently planning			
11111	retwork provider	0 - 1	But only a very basic plan. It's proving to be very very hard to convince the business to			
nz	Network provider	5 - 10	take IPv6 seriously.			
nz	Government	1 - 5	Under development, currently in draft.			
112	Government	1 - 3	A pan-organisation policy is currently under development however has not yet been			
nz	Network provider	10	finalised and applied			
	ct. ora provider	- 10	Have a an idea of how to allocate IPv6 to local ISPs and organisations but not formally			
			recognised by the company yet. Company needs a business case from my section to justify			
pg	Network provider	10	the commercial aspects of IPv6.			
ph	Network provider	5 - 10	no commercial requirement means no budget.			
ph	Network provider	1 - 5	Were still on the planning stage			
1	1					



CC	Org Class	MD	Comments
ph	Network provider	0 - 1	We are in the early testing stages
ph	Network provider	1 - 5	We are on process of formal planning on how to deploy this to our clients.
lk	Network provider	0 - 1	No still not. But willing to do.
th	Network provider	5 - 10	In progress
to	Other	N/A	in the process of lasing with APNIC
us	Other business	1 - 5	Mostly strategic, with a few small scale tactical contigency plans
vn	Other business	1 - 5	we have not yet
Stake	eholders:		
in	Internet body	N/A	involves a great deal of upgrades - a lot of custom compiled kernels got v6 taken out due to performance and stability issues, and older hardware running older kernels legacy equipment in parts thats v4 only etc need to be addressed. got a plan for whe
np	Network provider	0 - 1	no needed yet

$B1-3\colon Has\ your\ organisation\ budgeted\ for\ the\ future\ resource\ allocation\ for\ IPv6\ deployment?$

CC Org Class MD Comments

Members:

			IP is IP to us. The address family has no significance beyond the command that has to be		
au	Network provider	0 - 1	entered into the router when performing a task.		
au	Network provider	1 - 5	We make sure that our hardware and software is IPv6 compliant		
au	Network provider	5 - 10	Not Sure		
au	Network provider	1 - 5	The only thing stopping us is the cost		
au	Network provider	5 - 10	Once plan is finalised budgeting will follow.		
kh	Network provider	1 - 5	slightly have plan.		
fj	Government	0 - 1	dealt only by ITC services of the government		
fr	Other	0 - 1	see point B1-1		
	Guier	0 1	We build IPV6 router tunnel on IPV4 network. The main Internet network is still on		
hk	Network provider	1 - 5	IPV4.		
in	Internet body	0 - 1	Yes we are ready to give service on IPv6		
in	Network provider	5 - 10	In Jan 09, we'll have top level meeting to decide for		
•••	r tetti ora provider		As of now we've not planned for rollout of IPv6 and we've no problem in getting the		
in	Government	10	required budgeting.		
in	Other business	1 - 5	With little difficulty		
id	Network provider	5 - 10	Doesn't explicitly, but we make a prerequistes for any procurement have to support IPv6.		
jp	Network provider	10	It's not dedicated for IPv6, but we have.		
la	Government	5 - 10	we will use existiong equipments		
my	Network provider	5 - 10	only partial		
my	Network provider	1 - 5	Yes we have.		
	p		Where applicable, all new hardware, software and solutions RFPs/RFQs state support for		
my	Network provider	5 - 10	IPv6 is mandatory.		
nz	Content provider	1 - 5	We are unlikely to ever need more than a /32, which we already have.		
nz	Network provider	5 - 10	But not adequately; currently in "skunkworks" mode.		
	r tetti ora provider		The policy that is under development will include resource budget to get identified		
nz	Network provider	10	activities completed within specific timeframes		
ph	Network provider	5 - 10	no commercial requirement delays budgetting of funds.		
ph	Network provider	1 - 5	Were still on the planning stage		
th	Network provider	5 - 10	Our plan is continual upgrading, first for core and later for edge.		
			There have to date be no direct business drivers, but desire to be prepared has driven		
us	Other business	1 - 5	purchasing choices fro about 5 years.		
vn	Other business	1 - 5	don't have dedicate budget. but we pay attend to buy new device that supports IPv6.		
Stak	eholders:				
np	Network provider	0 - 1	Private company works with goal of profit making only		
1	1 . I	· ·	It takes the form of current hardware purchasing requirement to maintain an operating		
nz	Content provider	N/A	network.		

B1-4: Has your organisation allocated resources (human or financial) for IPv6 deployment?

CC Org Class MD Comments

Members:

au	Network provider	0 - 1	Already Deployed
au	Network provider	5 - 10	Not Sure
au	Internet body	1 - 5	need to look at outsourcing esources
an	Network provider	5 - 10	Not specifically, but we have enough of both to keep progressing towards deployment

APNIC Member and Stakeholders Survey 2009

February 2009

CC	Org Class	MD	Comments	
au	Network provider	1 - 5	we do not have a great deal of resources (human or financial)!	
kh	Network provider	1 - 5	Just think forward	
			There is resource allocated but need more resources for whole network and server	
hk	Network provider	10	upgrade.	
in	Internet body	0 - 1	We are all technically qualified & our company always ready to deploy new discoveries	
in	Network provider	5 - 10	Only human resource allocated for	
in	Government	10	Not yet as we've not appraised our management.	
id	Media	1 - 5	Not specifically, but we do have a shared resource allocations	
id	Network provider	5 - 10	Not explicitly, still use existing organization.	
my	Network provider	5 - 10	only partial	
•	•		Due to the nature of dual stack deployments, there isn't any significant difference in	
my	Network provider	1 - 5	increase of human resource or financial, except the need for	
my	Network provider	1 - 5	When time is ready. (example: Government enforcing)	
mn	Network provider	0 - 1	Allocated budget for staff training.	
nz	Content provider	1 - 5	Engineering time has been allocated.	
nz	Government	1 - 5	work in progress, but there is an awareness to budget resources toward it.	
			Human resource has been allocated to get the planning processes underway, and also to	
nz	Network provider	10	enable the initial IPv6 advertisements	
ph	Network provider	5 - 10	no commercial demand makes funding unjustifiable at the moment.	
ph	Network provider	1 - 5	Were still on the planning stage	
			Already HR is allocated and technical know-how is acquired. Since there is no big	
lk	Network provider	5 - 10	demand for IPv6, limited funds available for IPv6 deployment.	
us	Other business	1 - 5	very limited at this point, strictly stategic funtions.	
Stake	eholders:			
np	Network provider	0 - 1	not yet	
nz	Internet body	1 - 5	Not specifically. It's just part and parcel of day to day network operations.	

B1 – 5: Has your organisation received IPv6 addresses from an RIR, NIR or ISP?

DI – J.	mas your orga	amsanon received ir	o addresses from all KIK, MIK of 151:
\mathbf{CC}	Org Class	MD	Comments

Members:

au	Network provider	5 - 10	Will be going to APNIC shortly to request a block.
	P		We would like to get on board and start developing a plan if we where eligible for an IPv6
au	Other business	1 - 5	address allocation
fj	Network provider	0 - 1	Not sure
, and the second	•		All teh VOIP operators we have encountered in Asia Pacific Region are dtill based on
hk	Network provider	1 - 5	IPV4.
in	Internet body	0 - 1	not yet
in	Government	10	We ourself is a leading ISP.
id	Other	10	from APNIC
my	Network provider	1 - 5	For my understanding, we are not request any.
mn	Network provider	0 - 1	After staff training, we will apply for IPv6 addresses.
nz	Government	1 - 5	Not as yet. Soon.
nz	Network provider	10	From APNIC (a /32)
			Current IPv6 allocation policy basically requires us to lie about our plans (or lack thereof).
			If IPv6 address space were allocated based on IPv4, we could at least get ready for when
nz	Network provider	5 - 10	there is a demand. APNIC needs to be proactive about getting IPv6 al
nz	Network provider	0 - 1	Unsure
ph	Network provider	1 - 5	Not Yet.but we are on process for a request.
ph	Network provider	5 - 10	FROM APNIC
lk	Network provider	5 - 10	Got IPv6 allocation from APNIC in Q1 2008.
			ONLY from ARIN, APNIC and RIPE seem to have made this process much more
us	Other business	1 - 5	difficult.
Stake	eholders:		

Stakeholders:

			v6 is easily available, and its a transport just like v4. shouldnt really be an issue to get it
in	Internet body	N/A	once we need to not like a domain with land rushes and such.
np	Network provider	0 - 1	no comments
nz	Content provider	N/A	Only 2002::/48 self-grabbed, Waiting on upstream allocation.

Comments



APNIC Member and Stakeholders Survey 2009 February 2009

B1 – 6: Do you have knowledge and expertise required to move to IPv6? CC Org Class MD

Memb	bers:			
au	Network provider	10	Actually, its Yes & No. Studying at the same time.	
	Vendor		,	
	(software/hardwar		To a certain degree. More internal research would be required before a deployment could	
au	e)	1 - 5	be considered	
au	Government	5 - 10	But would like to expand my knowledge in local venues.	
au	Government	0 - 1	We run an outsourced environement but need skills to plan and manage the transition	
au	Network provider	1 - 5	We need training in this area to make it happen.	
au	Network provider	1 - 5	could use some general conference presentation material	
bd	Internet body	1 - 5	Actually we have knowledge but not expertise	
bd	Network provider	5 - 10	But not enough to meet the world	
fj	Government	0 - 1	knowledge is but limited	
			Thats why we are depending on APNIC through its training programme to assist us	
fj	Government	0 - 1	developing the expertise and skills required	
in	Other business	1 - 5	Not expert but Intermediate	
in	Internet body	0 - 1	yes we need more & more knowledge	
in	Content provider	1 - 5	not very muchbut yes to some extent.	
in	Network provider	5 - 10	Our project team is working on it	
in	Government	10	We've very limited knowledge of IPv6.	
in	Government	5 - 10	thanks to APNIC trainings & sessions	
in	Network provider	5 - 10	part knowledge	
in	Other business	1 - 5	We will get updated on this.	
id	Network provider	N/A	But still not very good	
id	Media	1 - 5	But, we have to enhance existing expertise and resource to move on smoothly.	
id	Network provider	1 - 5	Already did trial but I believe have to learn more later when already full implemented.	
id	Other	10	i need to learn more about IPv6 configuration	
id	Network provider	5 - 10	Very little information.	
la	Government	5 - 10	i have learned from the trainning of APNIC	
my	Network provider	0 - 1	Limited knowledge but in the process of acquiring more knowledge.	
mn	Network provider	5 - 10	Not enough	
mn	Network provider	0 - 1	don't have enough knowledge or expertise.	
nz	Government	1 - 5	Training to be undertaken.	
nz	Network provider	1 - 5	Kind of no and yes	
nz	Network provider	10	We have the knowledge and some expertise.	
pk	Education	N/A	some how experties	
pk	Government	5 - 10	I have a middle level knowledge for deplyment of IPv6	
ph	Network provider	1 - 5 5 - 10	Although we still need more training for the proper deployment and migration of IPV6	
lk	Network provider		Few ISP Network engineers are well versed with IPv6. Much more to learn.	
lk	Network provider	5 - 10	needs more training	
lk	Network provider	0 - 1	We have some knowledge. But Its required some more practical experience.	
4h	Notrriods marrids:	5 10	But we still need to study more since newer technology always replace the old will be	
th	Network provider Other	5 - 10 N/A	always faded. Im currently a cisco academy student and have learnt IPV6 in semester 4 of the academy	
to	Ouler	IN/A	On a limited bassis for small tactical solution only. We have not fully prepared for and	
			, , , , , ,	
us	Other business	1 - 5	enterprise deployment	

$B1-7\hbox{:}$ Are IPv6-related information and training services easily available to you?

0 - 1 no comments

\mathbf{CC}	Org Class	MD	Comments

Members:

np Network provider

au	Network provider	5 - 10	Unsure - not involved in this project
au	Internet body	1 - 5	i believe that the websits covers information well
au	Government	1 - 5	Not Sure
			Resources are available, but there still isn't an industry accepted consensus on the correct
au	Content provider	5 - 10	path.
au	Network provider	1 - 5	Internet related training would be the best for us in the country.
au	Network provider	1 - 5	may be, but not fully aware of what is available
kh	Media	1 - 5	No
fj	Government	0 - 1	that is via APNIC and PICISOC that I have come across.
fj	Government	0 - 1	but still require more detail information and the know how



CCOrg Class MD Comments Internet body in 0 - 1 not proper ...but we r trying to get better & better Network provider 5 - 10 One online training has been prvided by NIXI thru eNIIT in Plenty of information is available in the official website of APNIC and also available in Government 10 in the Internet. 5 - 10 but we would still appreciate more exposure to this topic in Government in Other business 1 - 5 We need some support on this from APNIC Network provider 10 I can do that.:) jp Government 5 - 10 it not too diffical to understand la my Network provider 1 - 5 I not attend any training before. Yes, but there are very few training services available in Nz, beyond the three one-week long sessions that InternetNZ has provided. There needs to be more training oriented Content provider 1 - 5 nz towards "users" of IPv6 services - engineers and operators need to know ph Network provider I did not hear any IPv6 Seminars or same here in the Ph, but ASTI is providing seminars. lk Network provider 10 yes and no Network provider We have to learn by ourselves. Hard to find the expertise in here. 1k 0 - 1Since cost of training is a bit high, so we have just allocate one or two engineer to take the th Network provider 5 - 10 course since a lot engineers have no chance to take IPv6 course. Other business 1 - 5 They are available but the quality of the services are suspect as they are not mature. us

B1 – 8: Do you believe that it is important to have government support for IPv6 deployment? CC Org Class MD Comments

nope

Members:

Stakeholders:

Network provider

0 - 1

			It would be nice for the government to understand that IPv6 deployment is not based on
			increasing margin or revenue, but to support continued growth of the global Internet.
au	Network provider	0 - 1	While this is probably directly contravening the attempted "national walled garden
au	Network provider	5 - 10	yes unless there is some heavy government backing, enterprise will not make the move
			Vendors really need to get on the bandwagon with this, I'm not sure of the extent of the
au	Network provider	1 - 5	government's responsibility to enforce it.
au	Network provider	0 - 1	It isn't going to happen otherwise.
			Again, there is little perceived business support for any business to actively pursue IPv6 at
au	Network provider	5 - 10	this point. It'll take a kick from some higher authority to make it happen.
			To push everyone / require everyone to have it ready by a certain date and to let the
			general public brace for any IPv6 related issues. And, to force carriers to provide IPv6
au	Content provider	5 - 10	transit to existing IPv4 customers.
			it would help a lot, especially for the smaller players - most of the large organisations have
			address space to burn, and it is in their interest to keep it that way. There needs to be
au	Network provider	1 - 5	some kind of govt incentive to encourage (punitive if necessary) larg
			No more than IPv4. This is a global internet issue. I don't think we should give our
at	Network provider	0 - 1	government a chance to lame or limit Au's IPv6 (Internet) interaction.
			No need for government to go for Internet questions. It is for technicians only. Let them
kh	Media	1 - 5	use it. Government will make it worse.
cn	Government	5 - 10	yes, very important, and wil spend a lots energy and money on it.
			If we could have legislation requiring a shift over to IPv6, it would make things a whole
fj	Education	1 - 5	lot easier.
	_		from what I have learnt via APNIC training, there needs a strong support for
fj	Government	0 - 1	implementation quickly
fj	Government	0 - 1	strongly recommend
fr	Other	0 - 1	It is the business than will speed up things
hk	Network provider	10	Government support would provide jumpstart support for IPv6 deployment.
in	Internet body	0 - 1	For security reasons
		10	Yes. I strongly feel that Government should initiate this and if possible it should be
in	Government	10	enforced!
in	Network provider	5 - 10	it is critical
	NT . 1 . 11	5 10	Why government? I think deployment of internet depend on the need of community and
id	Network provider	5 - 10	technology.
	NT 4 1 11	1 5	The only way to move forward is through government intervention OR regulators.
my	Network provider	1 - 5	Independent regulators would be my preference over government.
	Matricals macrids	0 1	Without government support, it is impossible to successfully deploy IPv6. In Mn, main
mn	Network provider	0 - 1	international internet connection is controlled by government.
207	Content provider	1 - 5	There appears to be very little commercial interest in deploying v6 services - it would
nz	Content provider	1 - 3	seem that the larger players are more interested in SPNAT/CGN (pick your favourite

CC	Org Class	MD	Comments	
			acronym to describe "big NAT boxes). As an aside, if this is what works for "the int	
			Support in the form of having government services available by native v6 transit, and for	
nz	Network provider	5 - 10	govt to peer with v6	
			Particularly in support of projects that will update university curriculums to include IPv6	
nz	Network provider	10	training as standard	
			In some aspects, having the government offer tax breaks for IPv6 deployment (such as Jp) does have certain attractions, I believe the local governments should not have a huge role	
nz	Network provider	1 - 5	to play in getting transit providers up to speed.	
ph	Network provider	1 - 5	IPv6 is the future!	
ph	Government	5 - 10	very important, since the can provide the "needed push" to "force" networks to adopt IPv6	
lk	Network provider	0 - 1	Of course.	
th	Network provider	5 - 10	absolutely	
vn	Network provider	5 - 10	strongly	
Stake	Stakeholders:			
			in some countries - yes. in other countries v6 or anything else is industry and market	
in	Internet body	N/A	driven.	
np	Network provider	0 - 1	absolutely government policies is one of the major concern that affects the process	
			Not all businesses are as forward-looking as they need to be. For a full transition to be	

completed some external pressure is going to be needed on certain providers.

Governments definitely need to be much more aware of the problem. Governments really have a sterwardship role for their countries here. And if they want to provide direct

B2 – 1: APNIC should have a bigger role in promoting IPv6 deployment within the AP region CC Org Class MD Comments

Members:

nz

Content provider

Internet body

N/A

1 - 5

support (I'm easy either way) then that's a good thing too.

au	Network provider	0 - 1	APNIC is doing a good job promoting ipv6 deployment
au	Education	0 - 1	I'm not sure what role they have at present.
kh	Network provider	1 - 5	It should not moving too fast due to lack of basic resources.
			since APNIC is in charge of allocation of IPV6, so must act initiavily support any one
cn	Government	5 - 10	who needs help on IPV6
in	Internet body	0 - 1	agree
in	Other	1 - 5	agree
id	Network provider	5 - 10	APNIC have to take this position, instead of government.
my	Network provider	1 - 5	In tandem with NOGs, NIR etc.
mn	Network provider	1 - 5	Yes they should be bigger role but they need government support
			I think "neutral" bodies such as APNIC need to be helping to educate "the masses" who
			need to know about IPv4 and IPv6 from an "end user" point of view - these people have
nz	Content provider	1 - 5	years of day-to-day IPv4 knowledge, and they need to have similar knowledge about I
nz	Government	1 - 5	Should be a key driver.
			Service providers and decision makers in such entities are not that concerned about IPv4
lk	Network provider	5 - 10	exhaustion.
	-		why not. He have a responsibility to allocate the Internet Resources thought the reign
lk	Network provider	0 - 1	properly.

Stakeholders:

np	Network provider	0 - 1	not only apnic
			It is important for APNIC to promote IPv6, but realistically, there is only so much the
se	Internet body	0 - 1	registry can do. The pressures are going to have to come from elsewhere.

B2 – 2: APNIC should permit transfers of IPv4 address space $\underline{\textit{BEFORE}}$ the IANA pool is exhausted CC Org Class MD Comments

Members:

			This will encourage an early market for open trading of resources. While APNIC will not be involved in the transfers apart from the actual re-assignment, they will be "permitting"
au	Network provider	0 - 1	sale of address space by allowing this.
			will reserve judgement, doing this ensure that the switch gets delayed, however black
au	Network provider	5 - 10	marktet for IP space will become more prevalent
			Yes, to maximise and delay the timeframe of exhaustion of IPv4, and to allow the scare of having to use a secondary IPv4 market to get resources wake the world up with a media
au	Content provider	5 - 10	frenzy that IPv6 should be put in place *NOW*
au	Network provider	5 - 10	You need time to establish an orderly market or transfer process. How do you to

APNIC Member and Stakeholders Survey 2009

February 20	909
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CC	Org Class	MD	Comments encourage return of unused blocks? Does the allocation criteria change as the shortage
			approaches?
kh	Media	1 - 5	Of course, should be prepared first prior to exhausting!
cn	Education	10	transfer policy should be consistent with current allocation and assignment criteria
in	Internet body	0 - 1	But first need to give the proper knowledge to all the users
in	Other	1 - 5	agree
id	Network provider	5 - 10	This is very important to manage all IPv4 from now, from 0.0.0.0 to 255.255.255.255:)))
jp	Internet body	10	leads to confusion by having two methods in parallel
			The statement on IANA pool finishing up is a bit too subjective considering the unused
my	Network provider	1 - 5	spaces still available due to legacy allocation issues etc.
			I agree but APNIC consider whether the country is available to get it or not. if not, they
mn	Network provider	1 - 5	will make plan to move IPv4 to IPv6 and announce it.
nz	Content provider	1 - 5	See comments for B2-3 below.
			No, force people onto IPv6. Allowing transfers is just going to prolong the exercise, and
nz	Network provider	5 - 10	create market exploitation opportunities for some individuals and companies.
			Perhaps not actively permit, but certainly start to make provisions for, for the reasons
nz	Network provider	1 - 5	stated in B2-2.
			Transfers might give more breathing space for SPs to adjust, and maybe the cost of
lk	Network provider	5 - 10	transfer will justify IPv6 requirement.
th	Network provider	5 - 10	If transfer is between organization.
Stake	eholders:		
			handled carefully to avoid v4 hijacking and/or black market. and more due diligence on
in	Internet body	N/A	requests for new v4 space, new entities that suddenly surface and ask for v4 space etc
np	Network provider	0 - 1	not sure
пр	retwork provider	0 - 1	I disagree with the whole direct trading scheme. Further, I think confiscating traded space
nz	Content provider	N/A	would be a great method of IPv4-recovery for the LIRs.
			I only support this as a way of ironing out the bugs before the transfer system becomes
se	Internet body	0 - 1	critical

B2 – 3: APNIC should permit transfers of IPv4 address space $\underline{\it WHEN}$ the IANA pool is exhausted CC Org Class MD Comments

Members:

WICH	ibers.		
			Efforts for new services should focus 99% on IPv6 deployment, and only where
au	Content provider	5 - 10	absolutely required should IPv4 bartering and swapping take place.
in	Internet body	0 - 1	not agree need the action before exhausted
in	Other	1 - 5	ok
in	Network provider	5 - 10	it would lead to prifiteering
id	Network provider	5 - 10	For better management of IPv4 until they are completely transfered.
jp	Internet body	5 - 10	too late.
jp	Network provider	10	It should be BEFORE the exhaustion.
my	Network provider	1 - 5	Too late would be my answer. Like the current sub-prime economy issue :-)
nz	Content provider	1 - 5	As IPv4 address space becomes more scarce, address "transfers" are going to happen, whether APNIC and the APNIC community likes it or not. If APNIC does not facilitate these transfers, then things such as the APNIC WHOIS database will become increasingly
nz	Network provider	5 - 10	No, force people onto IPv6. Allowing transfers is just going to prolong the exercise, and create market exploitation opportunities for some individuals and companies.
nz	Network provider	5 - 10	In an ideal world, IP addresses should be returned when no longer needed. In reality there will be a gray-market for them. It would be better for APNIC to be involved as a market market regulator than for the market to operate in a vacuum.
nz	Government	1 - 5	Potentially subject to some moderation to prevent abuse.
nz	Network provider	1 - 5	Transfers are going to occur, or businesses may start being purchased purely for their IPv4 address space, putting a value on it. I believe that the RIR will have little choice but to permit the transfer of IPv4 space if it wants to continue to have value
	1		IANA pool is going to axhaust soon. Therefore to get the transfer mechanisms going, have
lk	Network provider	5 - 10	to start now.
to	Other	N/A	we need to act now before problems occur
Stak	eholders:		
in	Internet body	N/A	transfers no. surrender back to apnic, reallocation by apnic - yes. dont start a market.
np	Network provider	0 - 1	may be



Members:

			Any extensive address recovery exercise would be resource intensive, and the number of
			addresses that might be recovered would be relatively small. APNIC should obviously
au	Network provider	10	redistribute any IPv4 addresses within their administrative control that are easily
			need to enforce the recovery of historical allocations when many know they lay dormant.
au	Network provider	5 - 10	doing with will delay the need for IPv6 but can be used as a measure to extend ipv4's life
			Yes, abosultey, to delay the inevitible to buy everyone just a little bit more time to get
au	Content provider	5 - 10	IPv6 working in the panic that will ensue.
au	Government	0 - 1	Just target the consumers with large oversubscriptions
			How do you to encourage return of unused blocks? Offer a discount on a years
au	Network provider	5 - 10	membership fees?
			this will only delay further ipv6 deployment, other regions will still be forced to adopt
au	Other business	1 - 5	ipv6 and AP/NA regions will be slowest adopters.
au	Education	0 - 1	That would seem to make sense to me.
in	Internet body	0 - 1	this will very helpful
in	Other	1 - 5	ok
id	Network provider	5 - 10	Do you still considering both unused vs aggregating IP?
jp	Other	0 - 1	unclear what unused means
			APNIC policies forbid "stockpiling" of addresses. If addresses are unused within a
			reasonable period of time, they should be reclaimed. (Same goes for IPv6 - although there
nz	Content provider	1 - 5	is obviously not the same limitations on the amount of resource available)
			There are some significant bits of unused space, which companies are hoarding in case a
nz	Network provider	5 - 10	transfer market is created.
			Should engage in active scanning; failure to meet occupancy standard for 12 successive
nz	Network provider	5 - 10	monthly scans should trigger reclamation.
			This must be done carefully. It is aboslutely clear that much of the allocated address
		- 10	space is not in use, especially historic /16 (and /8s). However, I suspect be that managing
nz	Network provider	5 - 10	transfers and allowing a market in address space to develop will provde a
			Some reclamation will help, but it will only delay the inevitable. I suspect perhaps using
			the reclaimed space for small allocations in order to allow new entrants to the service
nz	Network provider	1 - 5	provider domain, to be able to offer dual stacked, or NATed services.
ph	Network provider	1 - 5	yes. many ISP's are not using the IPv4 resources
ph	Government	5 - 10	Strongly agree on this. Some networks are not using their IPv4 addresses.
lk	Network provider	0 - 1	no, there should be a way to recover them.(eg:buy)
	0.1	5 10	It' hard to achieve this goal because you have to take long time and expand large resource
tw	Other	5 - 10	to do this.
	0.1	27/4	if these addresses is recovered then we have more time to experiment on IPV6 without
to	Other	N/A	having less time before it is actually depleted
	0.1 1 1		This is a short sighted effort and will not result in any significant relief. It will in addition
us	Other business	1 - 5	cause massive work within private networks for readdressing or drive more use of NAT.
vn	Other business	1 - 5	prevent speculating

Stakeholders:

be	Internet body	N/A	My approval is subject to "unused" not being defined as "cannot be seen in a public routing table"
	income, coaj	1,712	not "regional" as much as redistribution anywhere within apnics area of operations. especially in large and not too clued ISPs where people try to manage ip allocations with
in	Internet body	N/A	excel sheets or entries in a book
np	Network provider	0 - 1	yes
			It should be started as soon as reasonable. But not a high priority. IPv4 is getting obsolete
nz	Content provider	N/A	fast anyway.
se	Internet body	0 - 1	Waste of time and money. Potential legal quagmire.

B2 – 5: All RIRs should recover unused IPv4 address space for global redistribution CC Org Class MD Comment

Members:

			Any extensive address recovery exercise would be resource intensive, and the number of
			addresses that might be recovered would be relatively small. RIRs should obviously
au	Network provider	10	redistribute any IPv4 addresses within their administrative control that are easily i
			need to enforce the recovery of historical allocations when many know they lay dormant.
au	Network provider	5 - 10	doing with will delay the need for IPv6 but can be used as a measure to extend ipv4's life
au	Network provider	5 - 10	To be balanced with B2-4



CC	Org Class	MD	Comments	
au	Content provider	5 - 10	For local RIR redistribution perhaps yes, for global redistribution no.	
au	Government	0 - 1	Just target the consumers with large oversubscriptions	
au	Education	0 - 1	Absolutely.	
			if you refer to big company having /8 -> yes if you refer to small company having up to	
fr	Other	0 - 1	/20 or /19> no	
in	Other	1 - 5	ok	
id	Network provider	5 - 10	As long as not in a current good aggregation.	
jp	Other	0 - 1	unclear what unused means	
my	Network provider	1 - 5	Education on proper management should be stressed strongly as well.	
			In the early days of IP, before CIDR, address space was handed out extremely	
			inefficiently. Given that IPv4 runout is predicted to happen in the next 2-3 years,	
			reclaiming this space would provide more breathing room for IPv6 deployment. However,	
nz	Content provider	1 - 5	given th	
			There are some significant bits of unused space, which companies are hoarding in case a	
nz	Network provider	5 - 10	transfer market is created.	
nz	Network provider	5 - 10	Provided all RIR's operate same reclamation policy	
nz	Network provider	5 - 10	See above	
lk	Network provider	0 - 1	ya. Its not a personal property. Its own to the all.	
to	Other	N/A	for fair distribution of historical addresses all RIRs need to work together	
			This is a short sighted effort and will not result in any significant relief. It will in addition	
us	Other business	1 - 5	cause massive work within private networks for readdressing or drive more use of NAT.	
vn	Other business	1 - 5	prevent speculating	
Stake	Stakeholders:			

My approval is subject to "unused" not being defined as "cannot be seen in a public routing table" N/A Internet body be in Internet body N/Aessential. Network provider 0 - 1 yes strongly yes np

B2 – 6: The current internet resource management systems are adequate to ensure effective global transition to IPv6 CC Org Class Comments

Members:

au	Network provider	0 - 1	I have not investigated this so I don't know
au	Other business	10	Don't know
			They are adequate to ensure management of the resources, but not to ensure transition to IPv6, only the end IP users / service providers panic / budget / research / availability of
au	Content provider	5 - 10	tranist / willpower will ensure effictive global transition.
au	Network provider	5 - 10	Unfortunately IPv6 support in networking equipment (particularly CPE) is lagging behind.
au	Network provider	1 - 5	don't know
cn	Network provider	5 - 10	For IPv6 is more enough, maybe not need strict apply forms as for IPv4.
			I do believe that we need different or stronger management system to manage IPv6
cn	Government	10	allocation.
in	Other	1 - 5	ok
in	Other business	1 - 5	not sure
id	Network provider	5 - 10	I hope so.
nz	Network provider	10	I don't believe IPv6 has penetrated the collective unconscious yet
nz	Government	1 - 5	Unsure about this, needs much more mainstream attention.
nz	Network provider	5 - 10	See comments earlier about proactive assignment of V6 space to V4 users.
	_		The resource management systems are, the lack of drive/demand that is being expressed at
nz	Network provider	1 - 5	the business level however is not.
nz	Network provider	10	I don't know.
ph	Network provider	1 - 5	IPv6 are not matured enough
us	Other business	1 - 5	It is too difficault to obtain IPv6 PI space from APNIC and RIPE

Stakeholders:

au	Other	0 - 1	More work needs to be done on automated systems
			Adoption of a network protocol is not just a result of adequate resource management
			systems. APNIC cannot influence economy, business costs, vendor investment and so on.
be	Internet body	N/A	These factors are far more influential than APNIC's success or failure at resource ma
			the technical mechanisms are perfectly adequate. now all you need to address are the
in	Internet body	N/A	politics.
np	Network provider	0 - 1	need to publicized more
			I disagree, there are technical improvements needed to routing. Also educational
nz	Content provider	N/A	improvements and pressure needed at the organization levels to encourage more



CC	Org Class	MD	Comments transitions.			
se	Internet body	0 - 1	The resource management systems are perfectly adequate, but these are not a major factor in whether IPv6 is taken up or not.			
se	Internet body	0 - 1	The resource management systems are perfectly adequate, but these are not a major factor in whether IPv6 is taken up or not.			
B2 – 7:	B2 – 7: Governments should require IPv6 compliance within entities under their control					
CC	Org Class	MD	Comments			
Mem	bers:					
au	Other business	10	Only if there is a concerted effort as in a GOSIP to determine the standard and approach in moving to IPv6.			
au	Content provider	5 - 10	100%			
au	Government	0 - 1	Question is in timing			
au	Network provider	1 - 5	YES!			
kh	Media	1 - 5	no need for Governments to solve IT questions			
			Governments' role in IPv6 should be giving more support and set up a practical model with			
cn	Government	10	some level control. Only Cn and USA Governments require all government agents and Universities to opt for IPV6 network. They build IPV4 gateways fro interchange between IPV6 and IPV4			
hk	Network provider	1 - 5	networks			
in	Internet body	0 - 1	only for security reasons			
in	Other	1 - 5	agree In common, we control finance need of child, their objective of education/life, but we are			
id	Network provider	5 - 10	not sure (do not need to know) how they choosing their school and teacher. Governmental influence should be exercised as little as possible. However, ISPs are			
nz	Content provider	1 - 5	commercially driven entities, and wont do anything "for the good of the Internet".			
nz	Network provider	5 - 10	Someone has to, or no-one will see a reason to move. Yes, the local governments should require IPv6 compliance for things under it's direct			
nz	Network provider	1 - 5	control, but they should NOT regulate the industry requiring it.			
			Governments can set an example by doing so. But, in developing world economies, the			
lk	Network provider	5 - 10	priority for such activity could be very low.			
us	Other business	1 - 5	Government should allow market forces to drive the adoption of technology.			
Stakeholders:						
			What is compliance supposed to mean? Does it mean adoption and use or theoretical but unused support? The former is useful and the latter is useless. I'm all in favour of publicly			
be	Internet body	N/A	funded networks being forced to buy and use IPv6. However, that isn't going as should industry, as should vendors, as should anybody else with an internet connection,			
in	Internet body	N/A	or that claims to be a stakeholder.			
np	Network provider	0 - 1	not necessary			
B3 – 5:	Resource Allocation	– Additio	onal area for resource allocation			
\mathbf{CC}	Org Class	MD	Comments			
Mem	bers:					
022	Other business	0 1	Independent watchdoo to over soor process			
au	Other business Network provider	0 - 1 5 - 10	Independent watchdog to over seer process Provide Ipv6 test sites			
au au	Network provider	1 - 5	INFORMATION			
hk	Network provider	10	Network Engineering for IPV6			
hk	Network provider Vendor	1 - 5	nearly all the public networks in Asia are IPV4 based.			
in	(software/hardware)	1 - 5	20			
in	Network provider	5 - 10	Increase awareness of need for IPv6			
id	Network provider	1 - 5	id			
id	Network provider	5 - 10	none			
.jp	Other	0 - 1	making apnic online services robust			
nz	Network provider Vendor	0 - 1	Business case development for IPV6 in industry			
nz	(software/hardware)	1 - 5	Put all IPv6 services on par with IPv4, including certification			
pk	Network provider	1 - 5	Extensive Training/Educational Programs required			
us	Other business	1 - 5	adopt policy change that eases the allocation of IPv6 space to end-sites			
Stakeholders:						
in	Internet body	N/A	making available v6 capable / optimized linux distros			



APNIC Member and Stakeholders Survey 2009 February 2009

CC	Org Class	MD	Comments
	Vendor		
jp	(software/hardware)	N/A	reuse and transfer IPv4 address space
np	Network provider	0 - 1	Increased the public invlovement



Asia Pacific Network Information Centre (APNIC) APNIC Member and Stakeholders Survey 2009 February 2009

C Appendix 3 Analysis of response data based on organisation classification

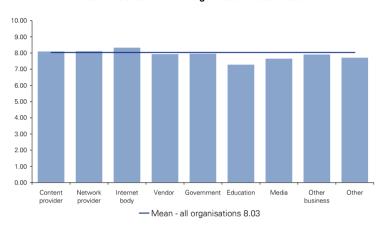


APNIC Member and Stakeholders Survey 2009 February 2009

A1. Assessment of APNIC Activities – Services

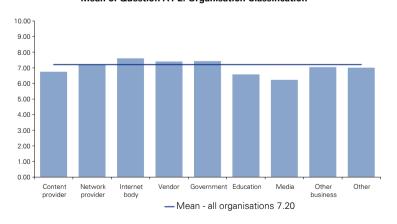
Question A1-1: The overall services provided by APNIC are satisfactory

Mean of Question A1-1: Organisation Classification



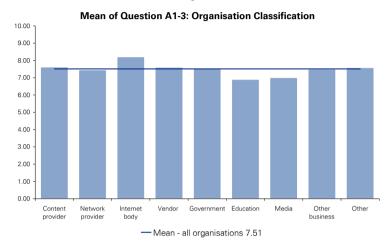
Question A1-2: The value members get from APNIC justifies the cost

Mean of Question A1-2: Organisation Classification



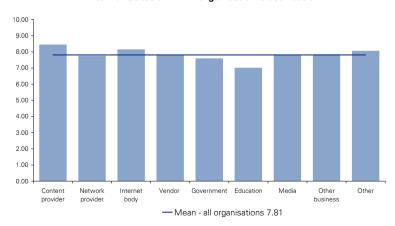


Question A1-3: The processes and requirements to obtain IPv4, IPv6 or ASN resources are clear and straightforward



Question A1-4: APNIC resource allocation services (IPv4, IPv6 or ASN) are adequate in response time and relevance





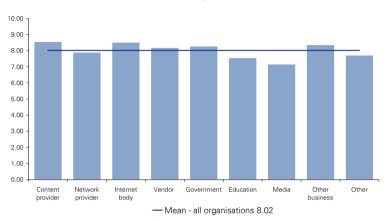


Asia Pacific Network Information Centre (APNIC) APNIC Member and Stakeholders Survey 2009

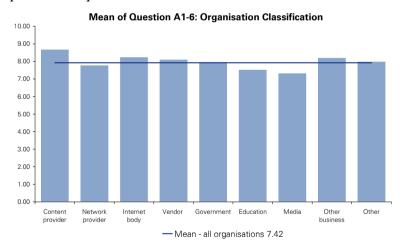
February 2009

Question A1-5: The APNIC helpdesk is easy to contact

Mean of Question A1-5: Organisation Classification



Question A1-6: The APNIC helpdesk provides timely and appropriate responses to enquiries

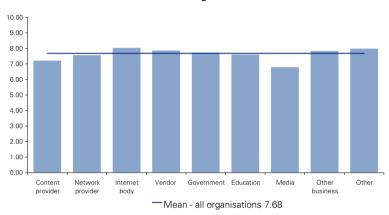


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A1. Assessment of APNIC Activities – Online Services

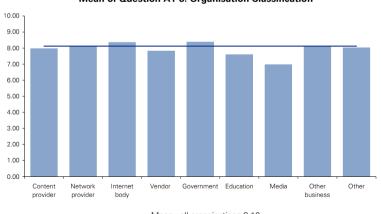
Question A1-7: MyAPNIC operates at a high level of quality, usability and reliability

Mean of Question A1-7: Organisation Classification



Question A1-8: APNIC whois database operates at a high level of quality, usability and reliability

Mean of Question A1-8: Organisation Classification

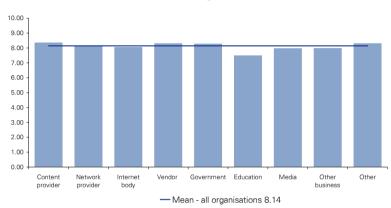


- Mean - all organisations 8.12

APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-9: Reverse DNS services operate at a high level of quality, usability and reliability

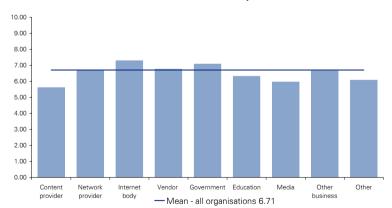
Mean of Question A1-9: Organisation Classification



A1. Assessment of APNIC Activities – Training Services

Question A1-10: APNIC face-to-face training is readily available in my region

Mean of Question A1-10: Membership Classification

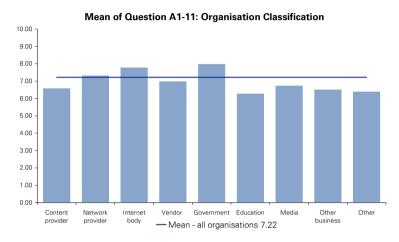




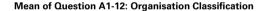
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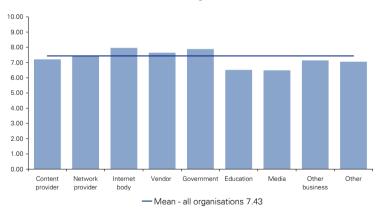
February 2009

Question A1-11: APNIC training meets my expectations



Question A1-12: APNIC tutorials and workshops are set at the correct levels

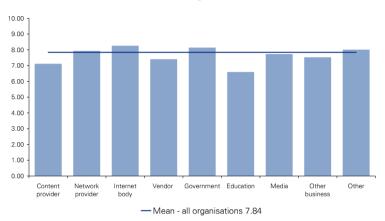




APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-13: APNIC should establish an open funding mechanism to support training and education for organisations in need within the region

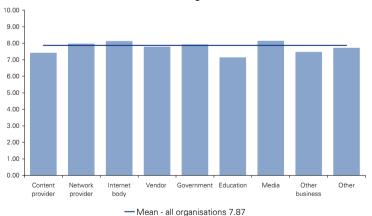
Mean of Question A1-13: Organisation Classification



A1. Assessment of APNIC Activities – Communications

Question A1-14: APNIC communicates useful and relevant information

Mean of Question A1-14: Organisation Classification

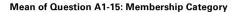


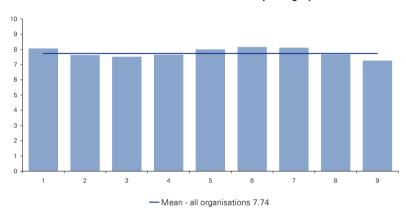


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February 2009

Question A1-15: APNIC communicates in a way that meets my needs

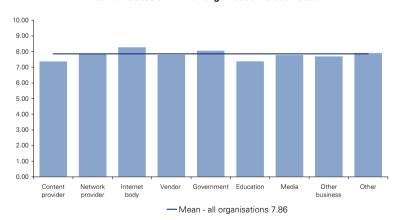




A1. Assessment of APNIC Activities – Web Site

Question A1-16 The APNIC website helps me understand the activities of APNIC

Mean of Question A1-16: Organisation Classification



Asia Pacific Network Information Centre (APNIC)

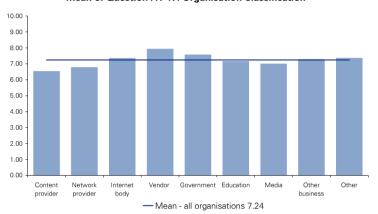
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February 2009

A1. Assessment of APNIC Activities – Policy

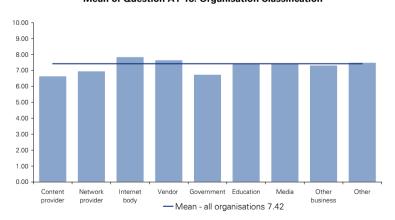
Question A1-17: The APNIC policy development process is easy to understand

Mean of Question A1-17: Organisation Classification



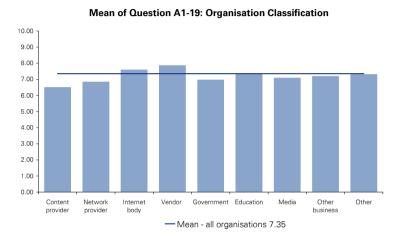
Question A1-18: The APNIC policy development process is an effective way of developing resource management policy

Mean of Question A1-18: Organisation Classification





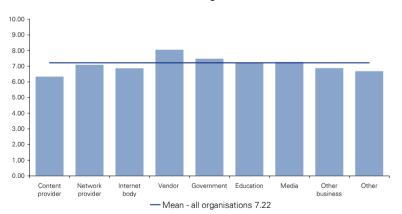
Question A1-19: The current policy development process provides me with the tools to participate in the process



A1. Assessment of APNIC Activities – Meetings and Community

Question A1-20: The content and activities of APNIC meetings are at a level of importance and interest that I want to attend

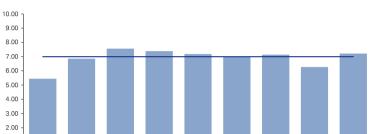
Mean of Question A1-20: Organisation Classification





APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-21: The remote participation options (video and audio streams, live session transcripts, chat rooms, and archived media) are easy to use



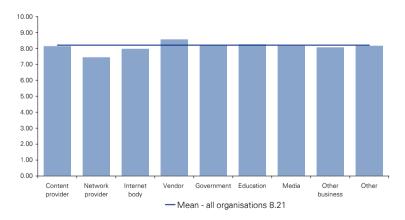
Mean of Question A1-21: Organisation Classification

1.00 0.00 Content Vendor Government Education Media Other Other Network Internet business provider provider hody

Question A1-22: APNIC should be involved with activities and events of operator groups, ISP associations, government and educational institutions in the region

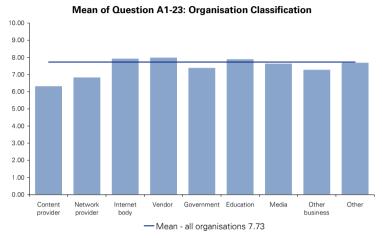
Mean of Question A1-22: Organisation Classification

- Mean - all organisations 6.99



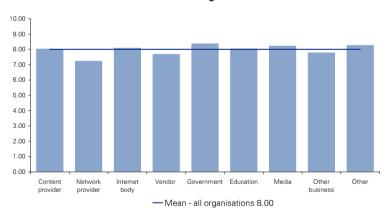


Question A1-23: APNIC effectively represents the interest of Asia Pacific network operators in global forums



Question A1-24: APNIC should have higher-level representation to liaise with governments and industry across the region

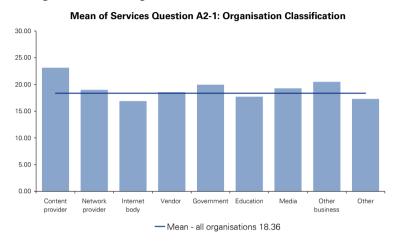
Mean of Question A1-24: Organisation Classification





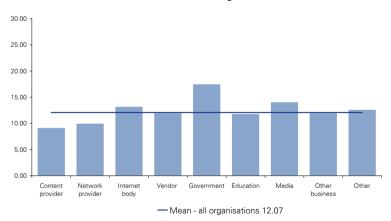
A2. APNIC Future Resource Allocation – Services

Question A2-1: Expand training activities in scope, geographical coverage and online options



Question A2-2: Expand local presence by opening APNIC branches

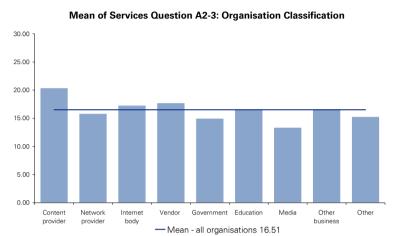
Mean of Services Question A2-2: Organisation Classification



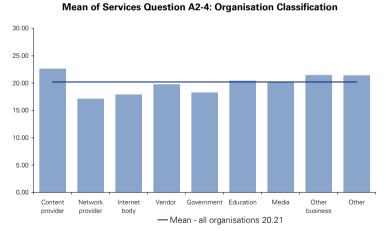


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Question A2-3: Streamline resource requests and allocation processes



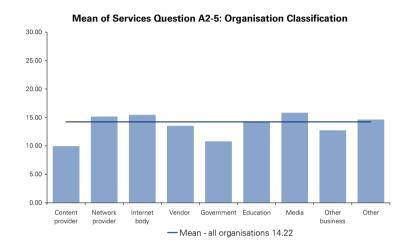
Question A2-4: Support network engineering education in the Asia Pacific region



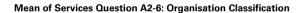


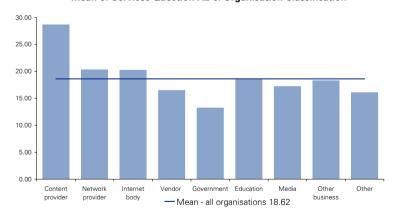
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Question A2-5: Enhance APNIC membership / helpdesk support



Question A2-6: Support of IPv6 deployment

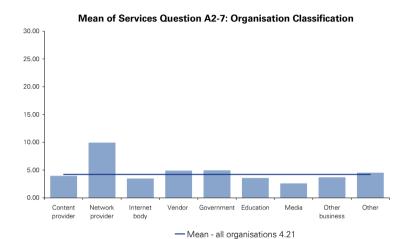






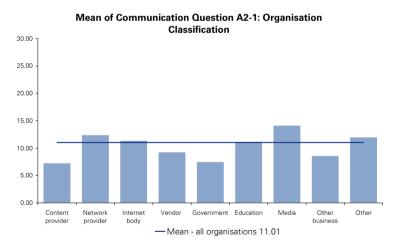
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Question A2-7: Additional area for resource allocation



A2. APNIC Future Resource Allocation – Communication

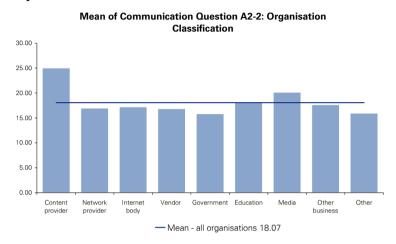
Question A2-1: Extend the use of APNIC multimedia communications



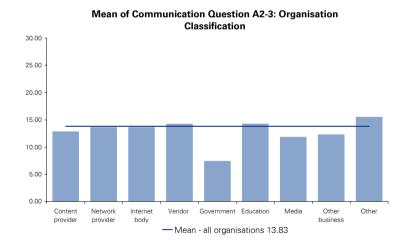


APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-2: Increase the support of the community's efforts to adopt IPv6



Question A2-3: Expand APNIC involvement in the support and development of regional operator forums (NOGS, IPv6 groups etc)



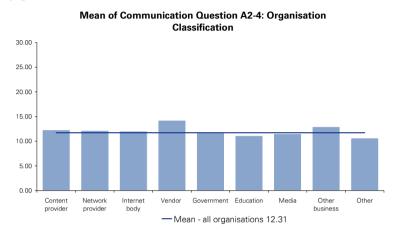


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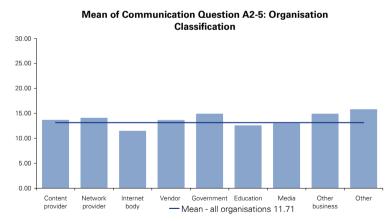
February 2009

70

Question A2-4: Increase accessibility of APNIC meetings and policy processes



Question A2-5: Represent the needs of the Asian Pacific Internet community in internet governance (including governments, regulators and internet technical organisations)

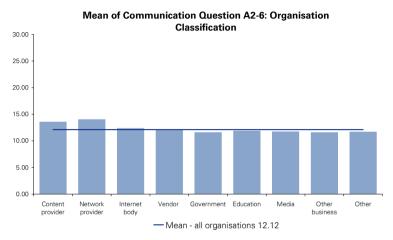




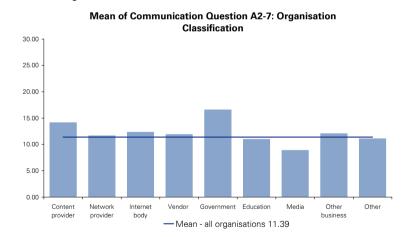
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February 2009

Question A2-6: Provide educational materials regarding APNIC services



Question A2-7: Publish statistics, analysis and articles about Internet development and use

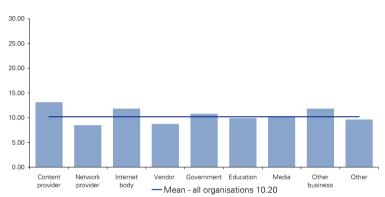




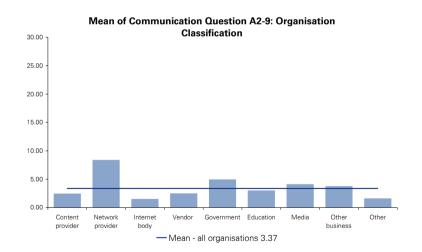
APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-8: Develop the use of online communities for operational discussion

Mean of Communication Question A2-8: Organisation Classification



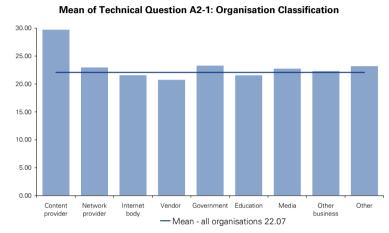
Question A2-9: Additional area for resource allocation



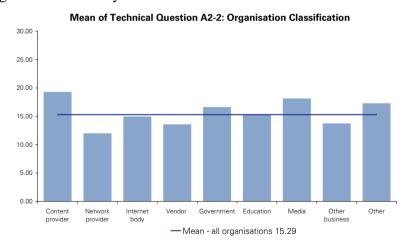


A2. APNIC Future Resource Allocation – Technical

Question A2-1: Research and development activities (for example: network monitoring and measuring, routability testing)

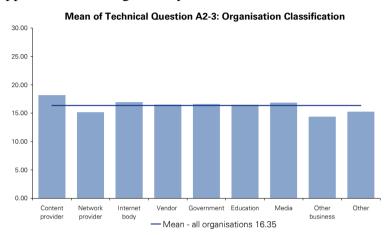


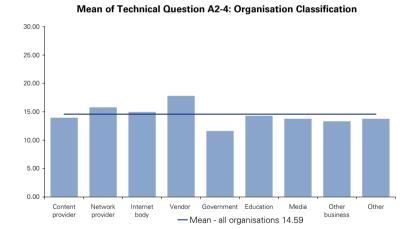
Question A2-2: Develop web services for automated data exchange with external systems





Question A2-3: Further development of resource certification to support better routing security



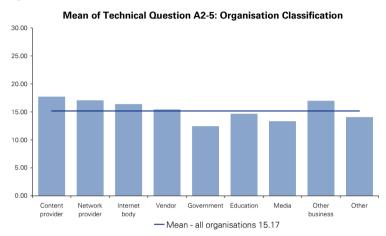


Question A2-4: Enhance robustness of APNIC services, through extra POPs and redundancy

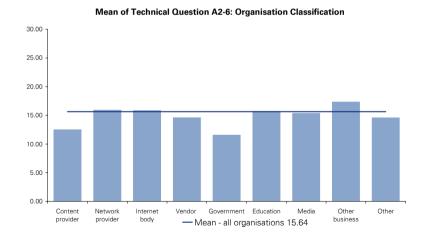


APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-5: Deploy more DNS root servers in the Asia Pacific region

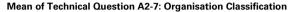


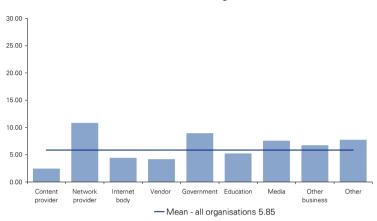
Question A2-6: Expand network monitoring, reporting



APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-7: Additional area for resource allocation

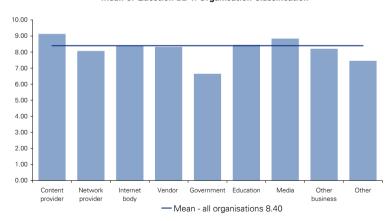




B2. Factual Propositions

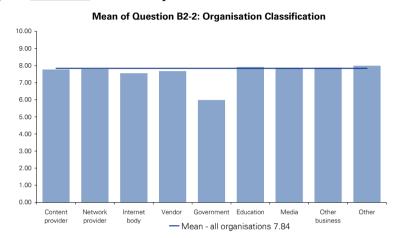
Question B2-1: APNIC should have a bigger role in promoting IPv6 deployment within the AP region

Mean of Question B2-1: Organisation Classification

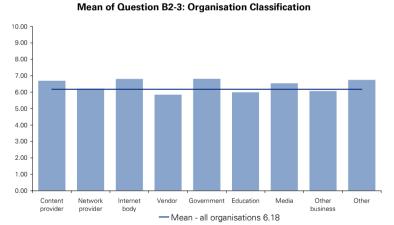




Question B2-2: APNIC should permit transfers of IPv4 address space <u>BEFORE</u> the IANA pool is exhausted



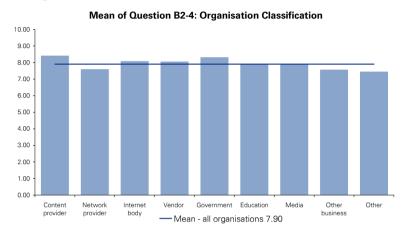
Question B2-3: APNIC should permit transfers of IPv4 address space WHEN the IANA pool is exhausted



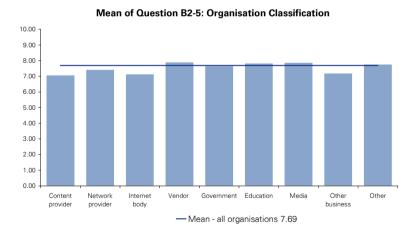
APNIC Member and Stakeholders Survey 2009 February 2009

78

Question B2-4: APNIC should recover unused IPv4 address space for regional redistribution



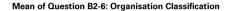
Question B2-5: All RIRs should recover unused IPv4 address space for global redistribution

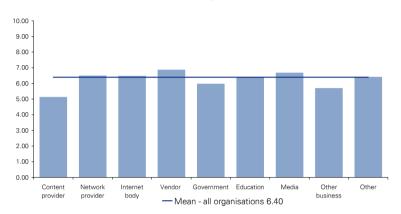




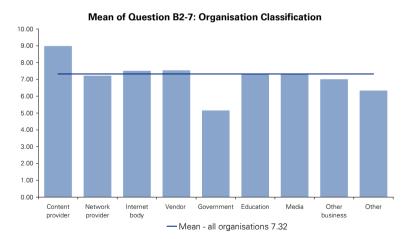
APNIC Member and Stakeholders Survey 2009 February 2009

Question B2-6: The current internet resource management systems are adequate to ensure effective global transition to IPv6





Question B2-7: Governments should require IPv6 compliance within entities under their control



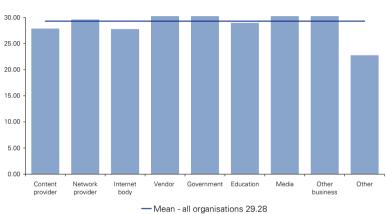


APNIC Member and Stakeholders Survey 2009 February 2009

B3. IPv6 Activities

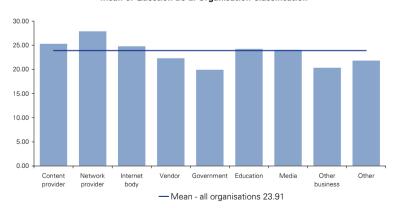
Question B3-1: IPv6 promotion, education and/or training

Mean of Question B3-1: Organisation Classification



Question B3-2: Expert consultancy / advisory services on IPv6 deployment

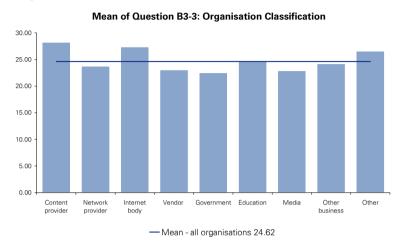
Mean of Question B3-2: Organisation Classification



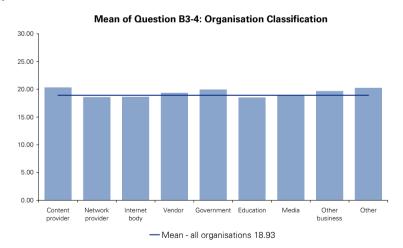


APNIC Member and Stakeholders Survey 2009 February 2009

Question B3-3: IPv6 infrastructure services (IXP, rootservers, IRR etc)



Question B3-4: Measure, research and report on IPv6 deployment

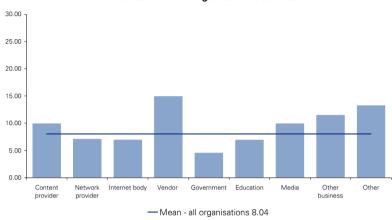


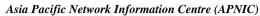


APNIC Member and Stakeholders Survey 2009 February 2009

Question B3-5: Additional area for resource allocation

Mean of Question B3-5: Organisation Classification







APNIC Member and Stakeholders Survey 2009 February 2009

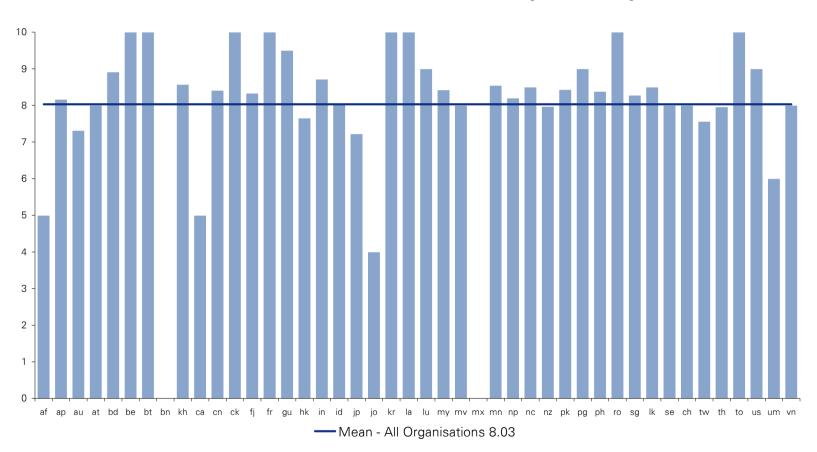
D Appendix 4 Analysis of Response Data Based on Country/Economy



A1. Assessment of APNIC Activities – Services

Question A1-1: The overall services provided by APNIC are satisfactory

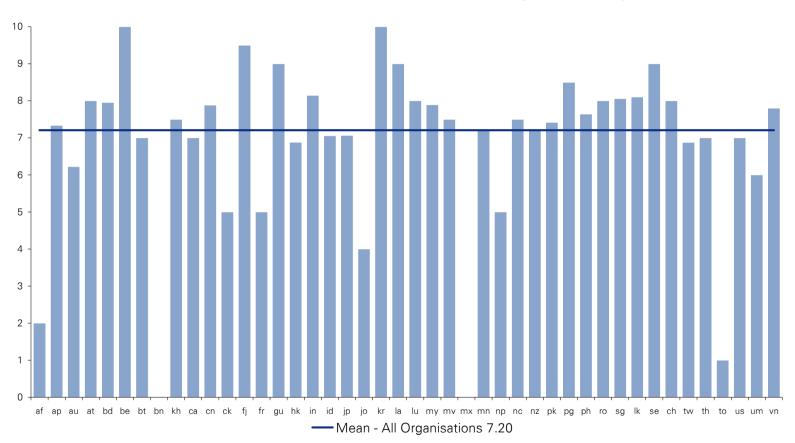
Mean of Question A1-1: Country/Economy





Question A1-2: The value members get from APNIC justifies the cost

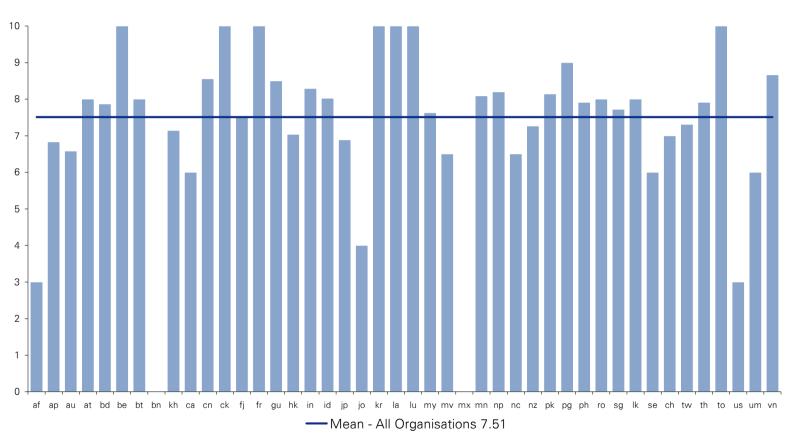
Mean of Question A1-2: Country/Economy





Question A1-3: The processes and requirements to obtain IPv4, IPv6 or ASN resources are clear and straightforward

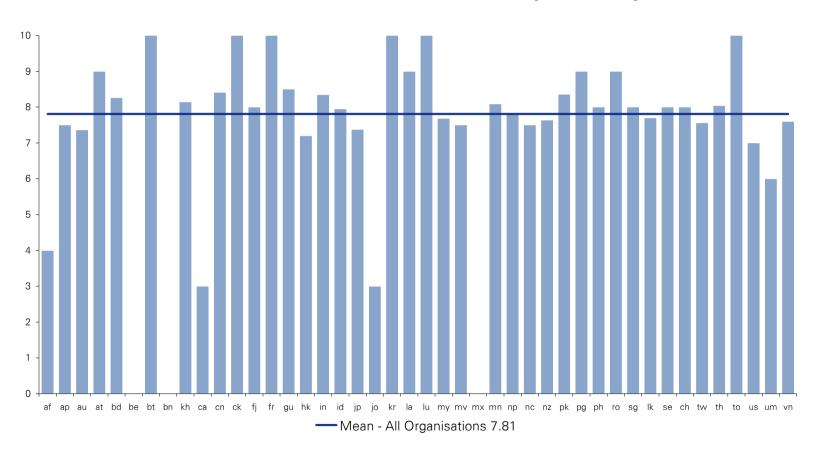
Mean of Question A1-3: Country/Economy





Question A1-4: APNIC resource allocation services (IPv4, IPv6 or ASN) are adequate in response time and relevance

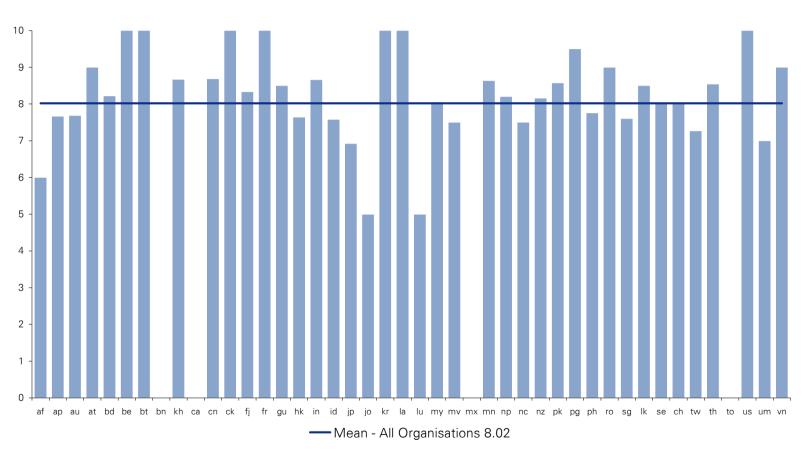
Mean of Question A1-4: Country/Economy





Question A1-5: The APNIC helpdesk is easy to contact

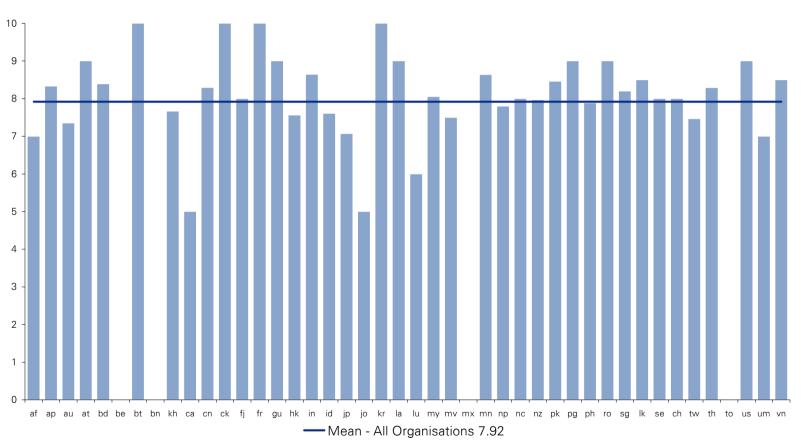
Mean of Question A1-5: Country/Economy





Question A1-6: The APNIC helpdesk provides timely and appropriate responses to enquiries

Mean of Question A1-6: Country/Economy

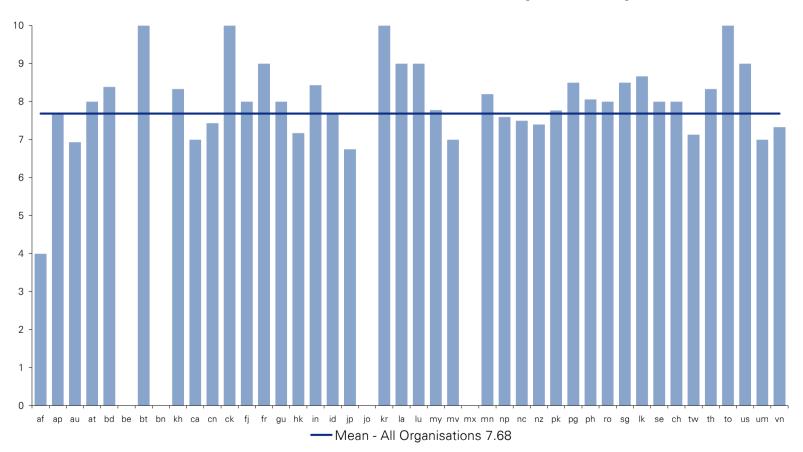




A1. Assessment of APNIC Activities – Online Services

Question A1-7: MyAPNIC operates at a high level of quality, usability and reliability

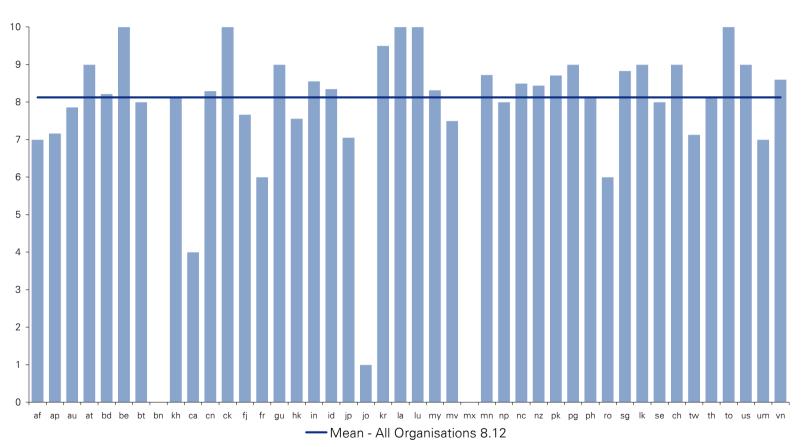
Mean of Question A1-7: Country/Economy





Question A1-8: APNIC whois database operates at a high level of quality, usability and reliability

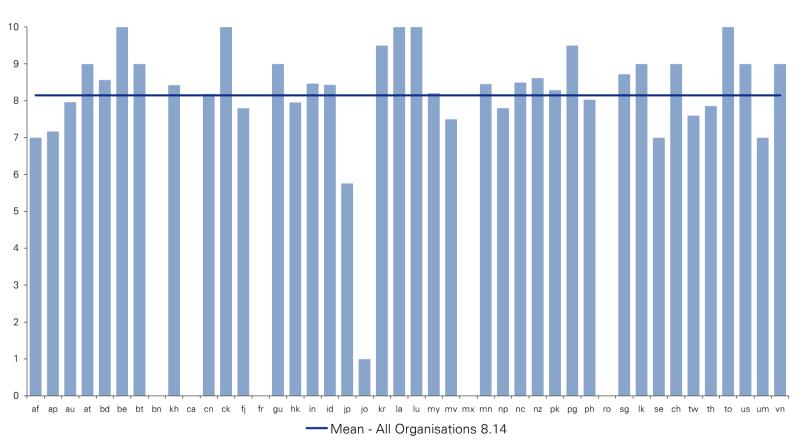
Mean of Question A1-8: Country/Economy





Question A1-9: Reverse DNS services operate at a high level of quality, usability and reliability

Mean of Question A1-9: Country/Economy

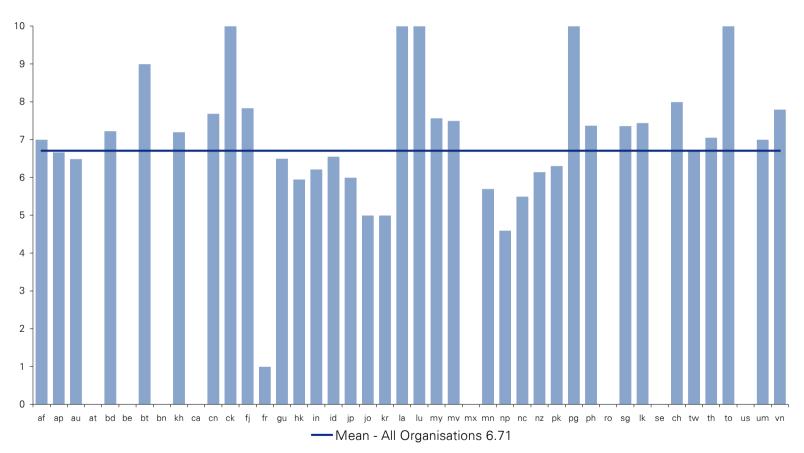




A1. Assessment of APNIC Activities – Training Services

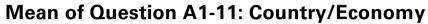
Question A1-10: APNIC face-to-face training is readily available in my region

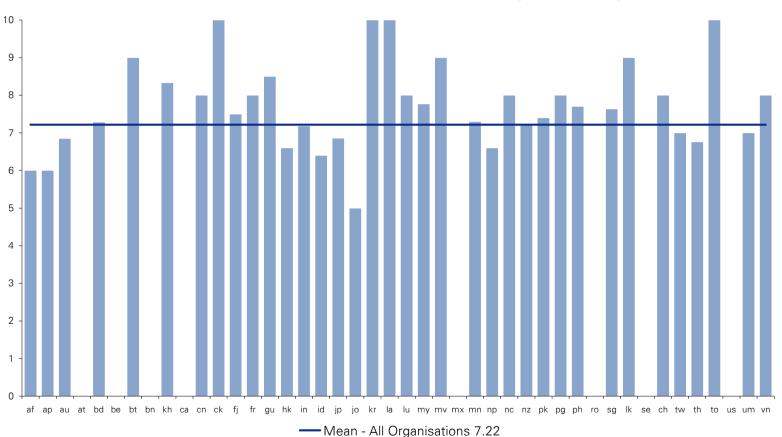
Mean of Question A1-10: Country/Economy





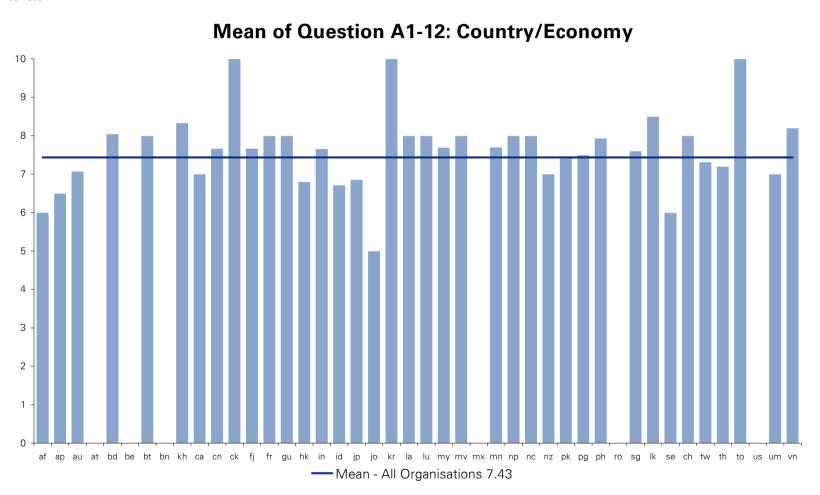
Question A1-11: APNIC training meets my expectations







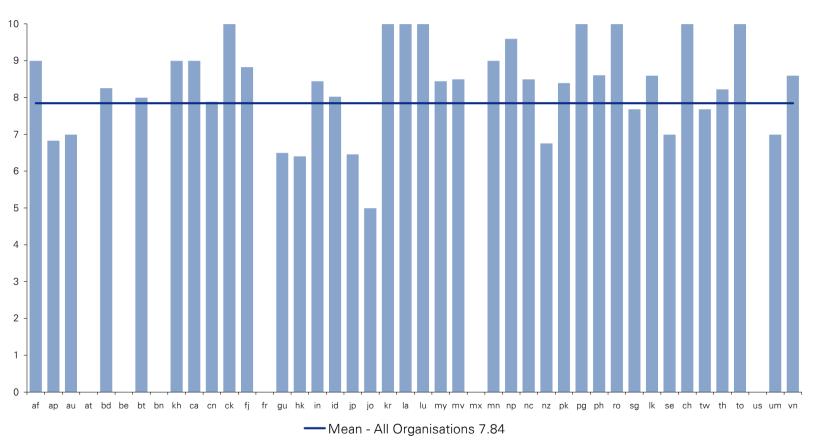
Question A1-12: APNIC tutorials and workshops are set at the correct levels





Question A1-13: APNIC should establish an open funding mechanism to support training and education for organisations in need within the region

Mean of Question A1-13: Country/Economy

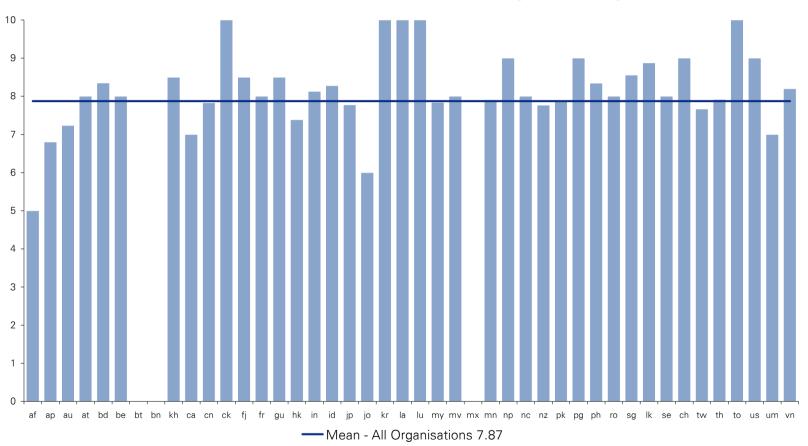




A1. Assessment of APNIC Activities – Communications

Question A1-14: APNIC communicates useful and relevant information

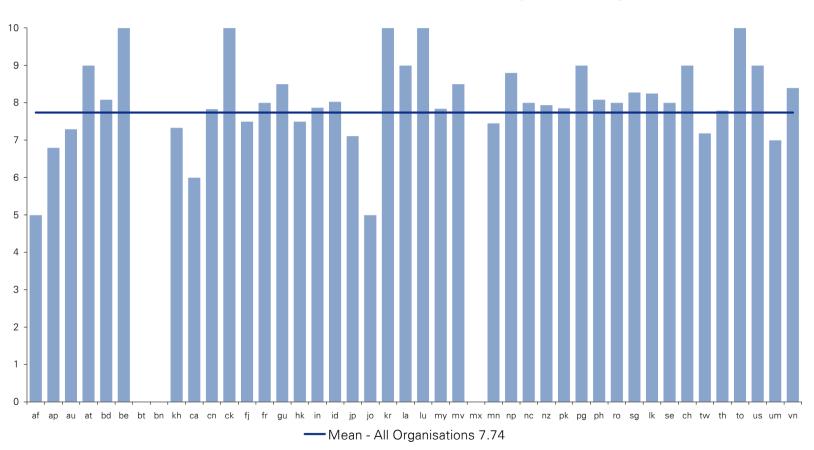
Mean of Question A1-14: Country/Economy





Question A1-15: APNIC communicates in a way that meets my needs

Mean of Question A1-15: Country/Economy

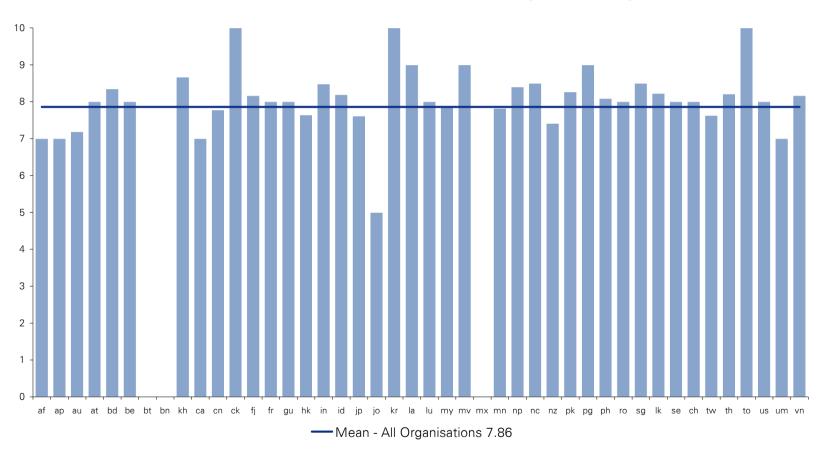




A1. Assessment of APNIC Activities – Web Site

Question A1-16 The APNIC website helps me understand the activities of APNIC

Mean of Question A1-16: Country/Economy

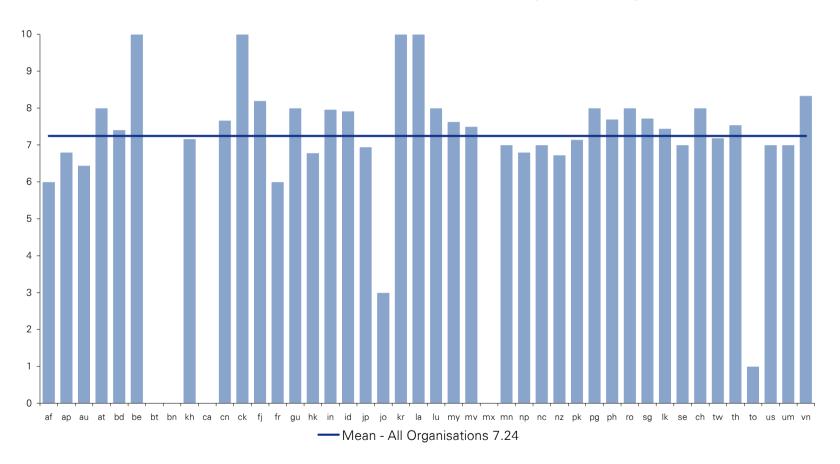




A1. Assessment of APNIC Activities – Policy

Question A1-17: The APNIC policy development process is easy to understand

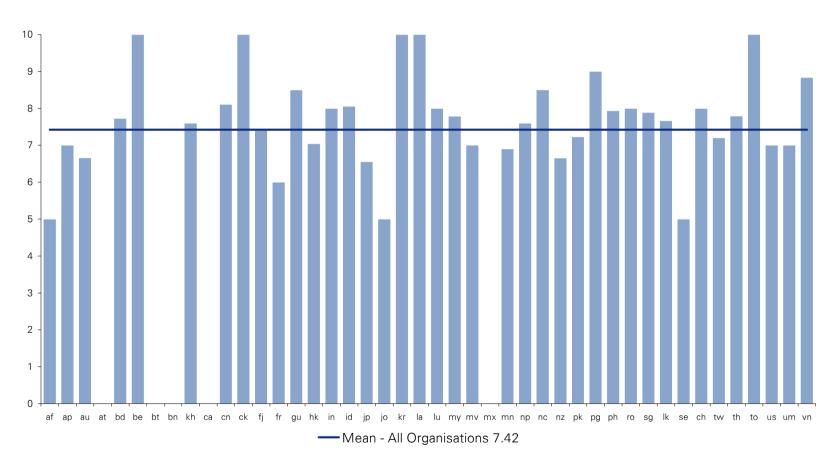
Mean of Question A1-17: Country/Economy





Question A1-18: The APNIC policy development process is an effective way of developing resource management policy

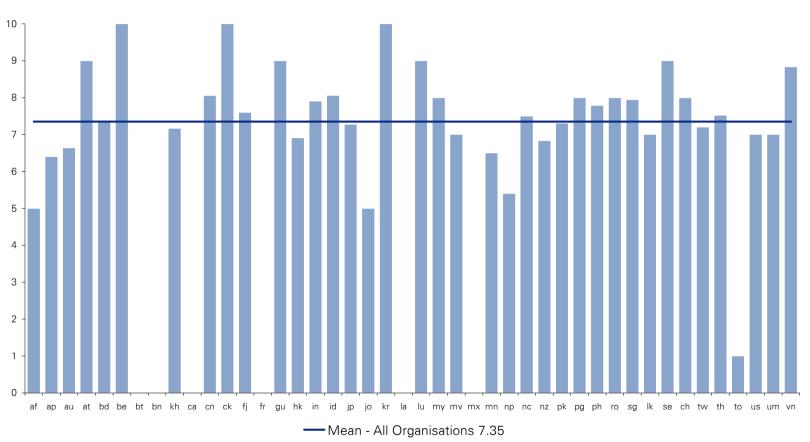
Mean of Question A1-18: Country/Economy





Question A1-19: The current policy development process provides me with the tools to participate in the process

Mean of Question A1-19: Country/Economy

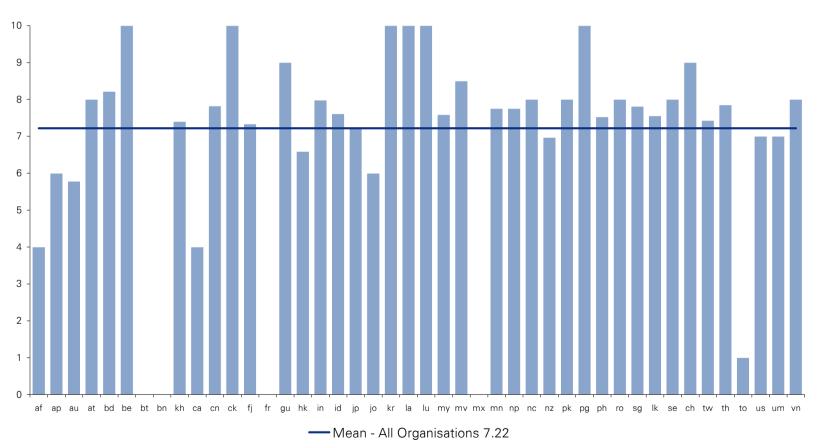




A1. Assessment of APNIC Activities – Meetings and Community

Question A1-20: The content and activities of APNIC meetings are at a level of importance and interest that I want to attend

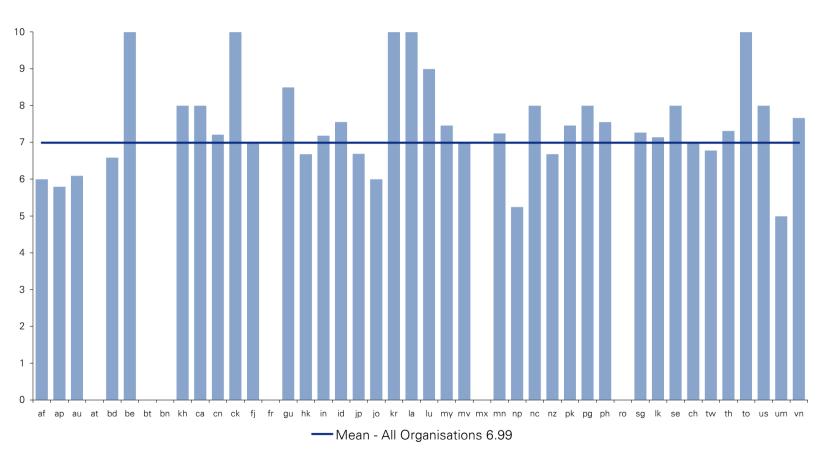
Mean of Question A1-20: Country/Economy





Question A1-21: The remote participation options (video and audio streams, live session transcripts, chat rooms, and archived media) are easy to use

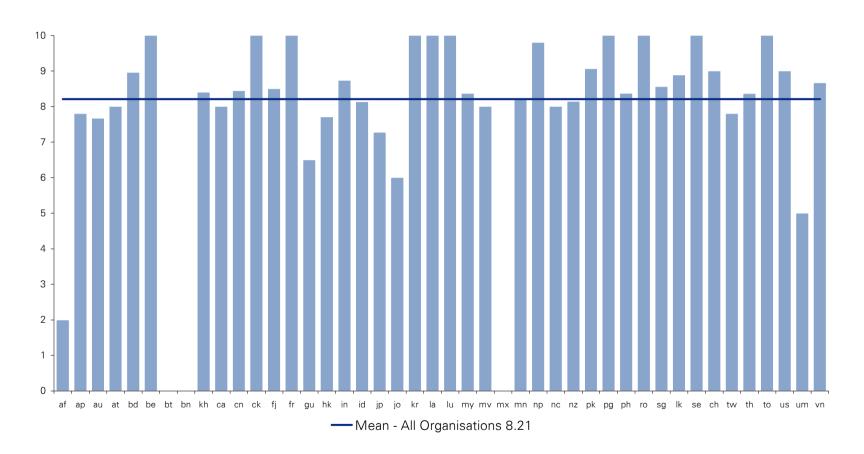
Mean of Question A1-21: Country/Economy





Question A1-22: APNIC should be involved with activities and events of operator groups, ISP associations, government and educational institutions in the region

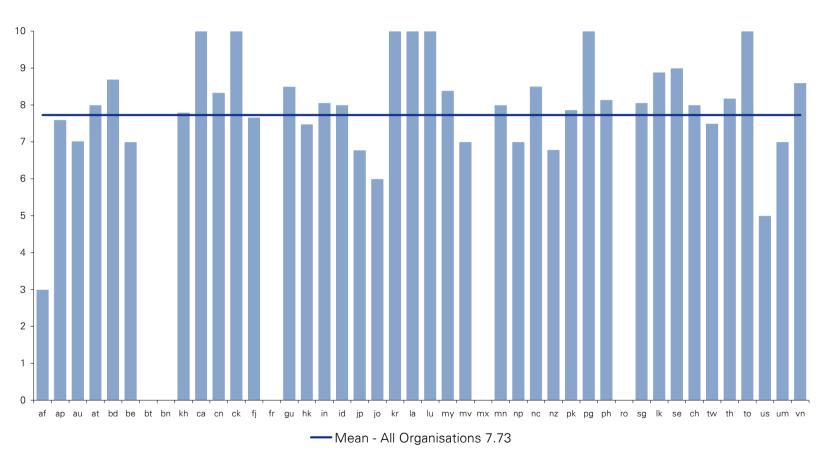
Mean of Question A1-22: Country/Economy





Question A1-23: APNIC effectively represents the interest of Asia Pacific network operators in global forums

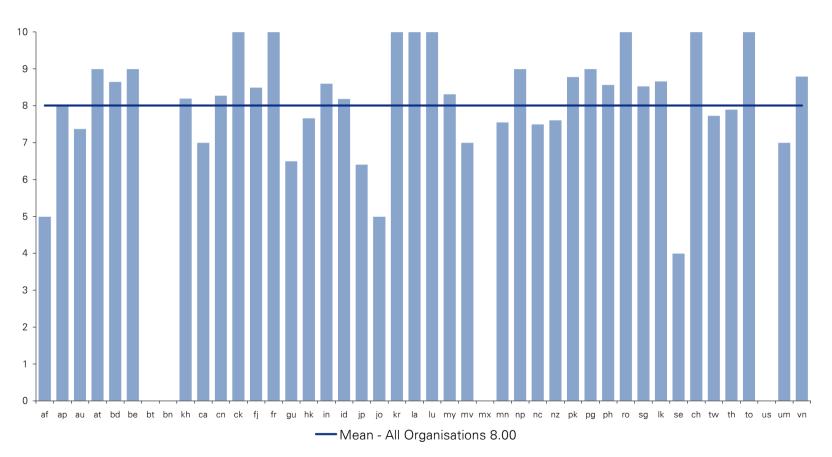
Mean of Question A1-23: Country/Economy





Question A1-24: APNIC should have higher-level representation to liaise with governments and industry across the region

Mean of Question A1-24: Country/Economy

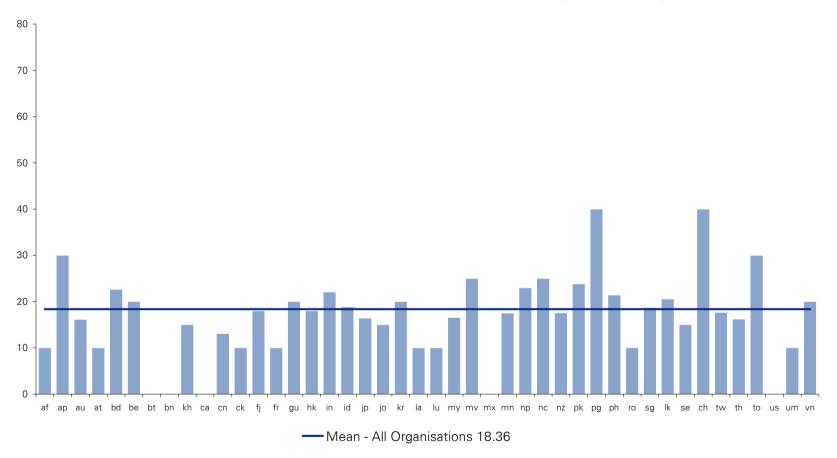




A2. APNIC Future Resource Allocation – Services

Question A2-1: Expand training activities in scope, geographical coverage and online options

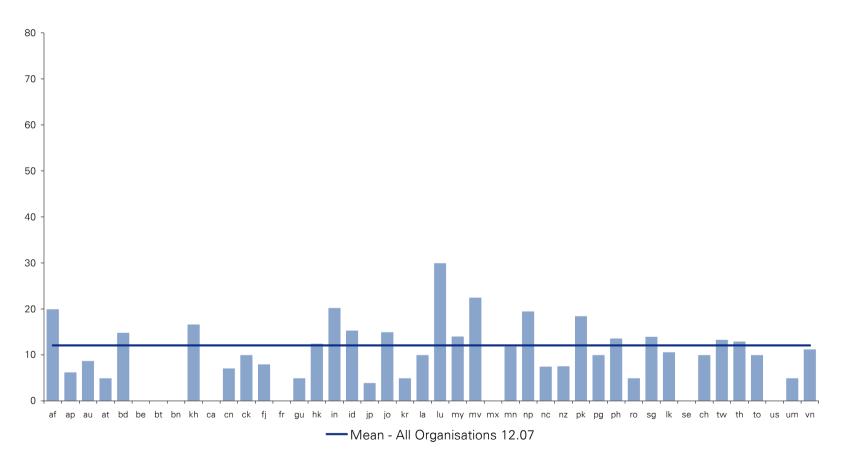
Mean of Services Question A2-1: Country/Economy





Question A2-2: Expand local presence by opening APNIC branches

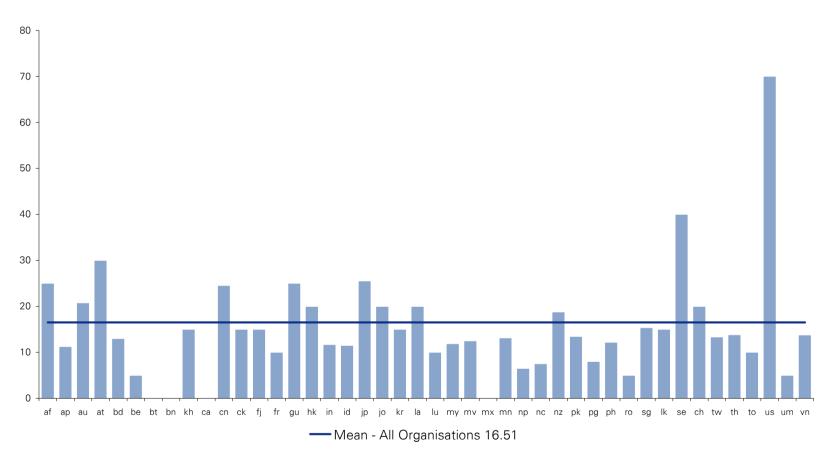
Mean of Services Question A2-2: Country/Economy





Question A2-3: Streamline resource requests and allocation processes

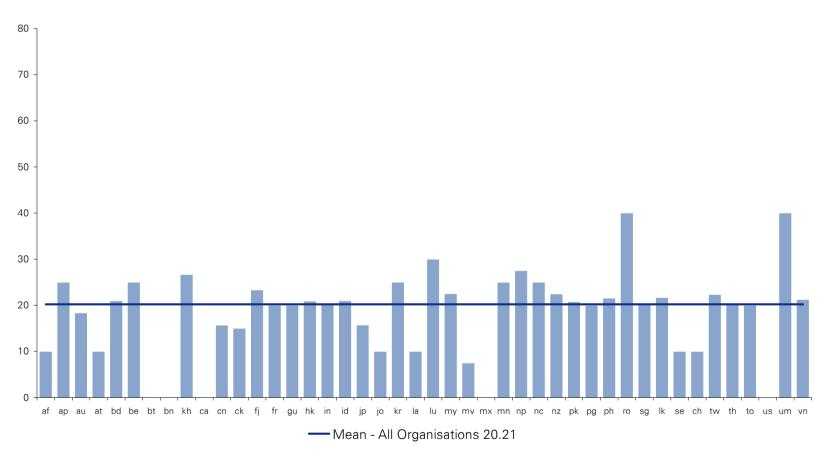
Mean of Services Question A2-3: Country/Economy





Question A2-4: Support network engineering education in the Asia Pacific region

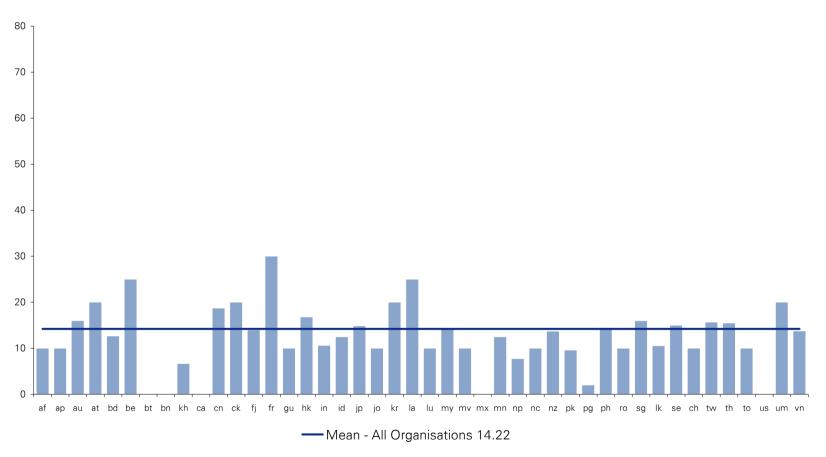
Mean of Services Question A2-4: Country/Economy





Question A2-5: Enhance APNIC membership / helpdesk support

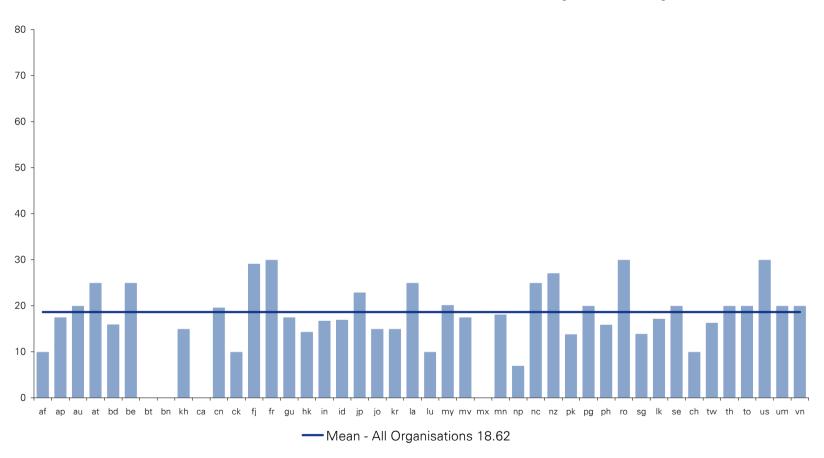
Mean of Services Question A2-5: Country/Economy





Question A2-6: Support of IPv6 deployment

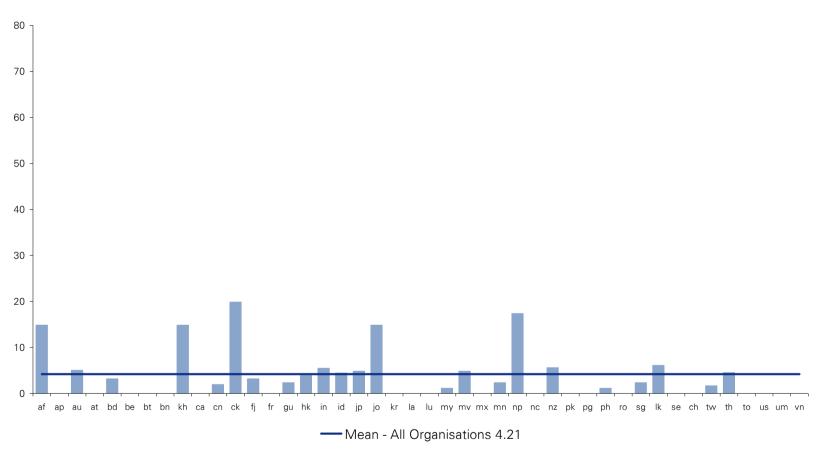
Mean of Services Question A2-6: Country/Economy





Question A2-7: Additional area for resource allocation

Mean of Services Question A2-7: Country/Economy

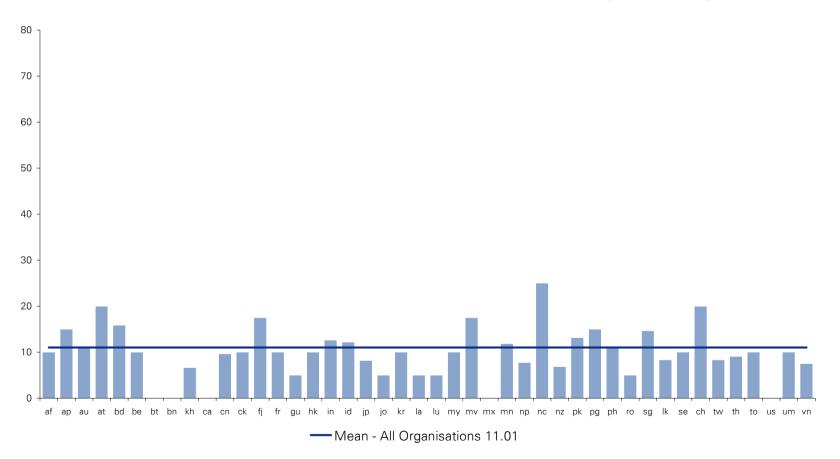




A2. APNIC Future Resource Allocation – Communication

Question A2-1: Extend the use of APNIC multimedia communications

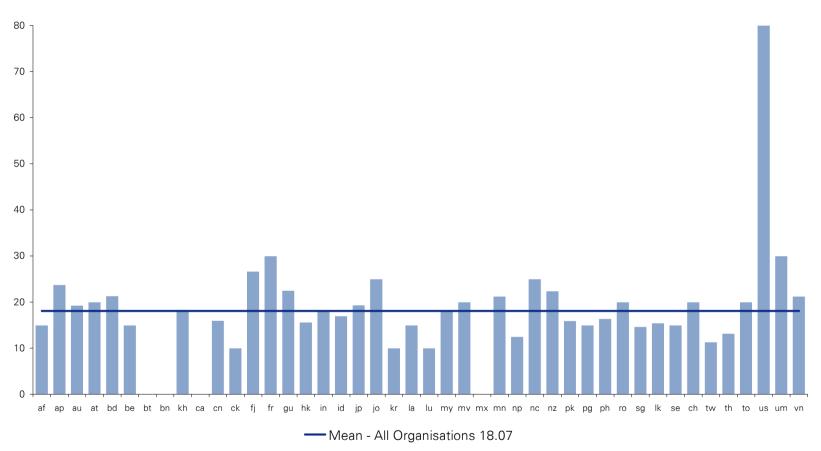
Mean of Communication Question A2-1: Country/Economy





Question A2-2: Increase the support of the community's efforts to adopt IPv6

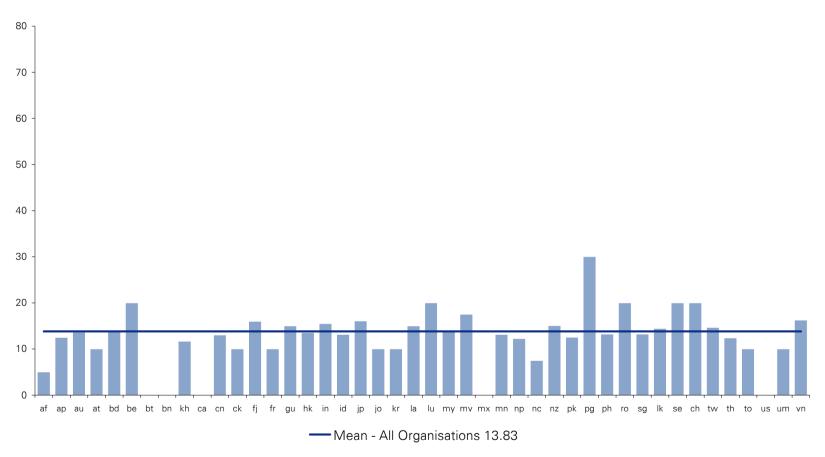
Mean of Communication Question A2-2: Country/Economy





Question A2-3: Expand APNIC involvement in the support and development of regional operator forums (NOGS, IPv6 groups etc)

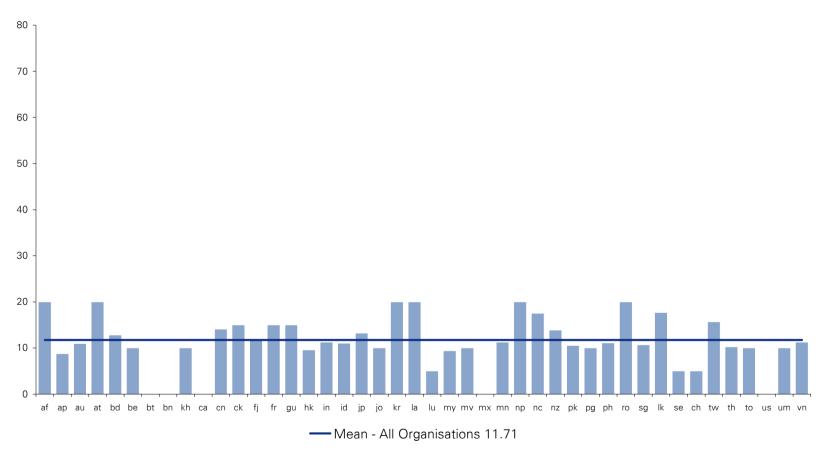
Mean of Communication Question A2-3: Country/Economy





Question A2-4: Increase accessibility of APNIC meetings and policy processes

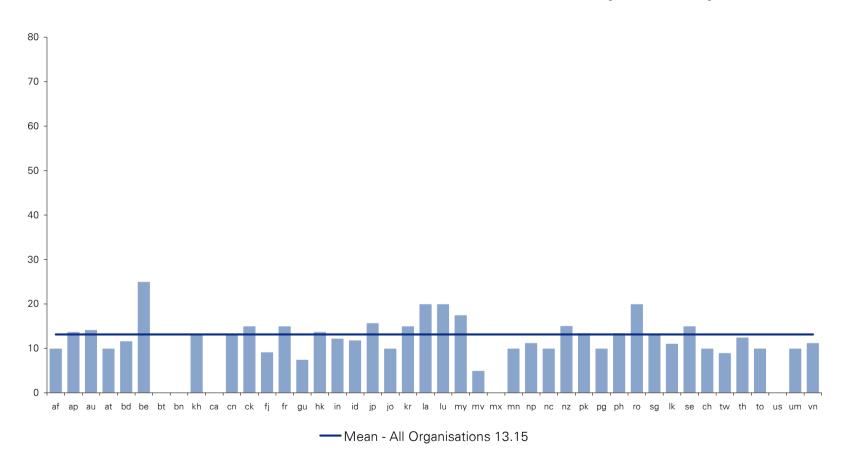
Mean of Communication Question A2-4: Country/Economy





Question A2-5: Represent the needs of the Asian Pacific Internet community in internet governance (including governments, regulators and internet technical organisations)

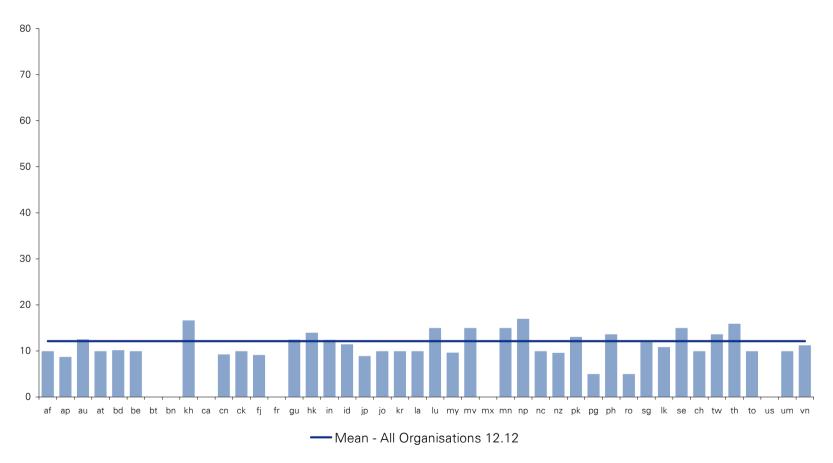
Mean of Communication Question A2-5: Country/Economy





Question A2-6: Provide educational materials regarding APNIC services

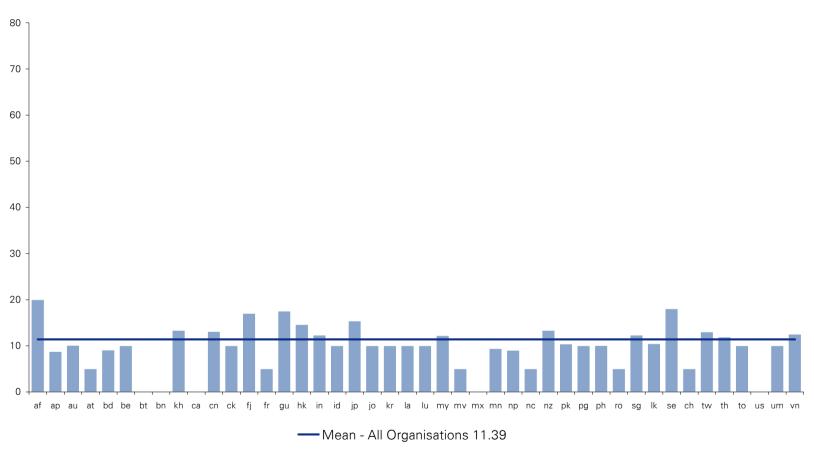
Mean of Communication Question A2-6: Country/Economy





Question A2-7: Publish statistics, analysis and articles about Internet development and use

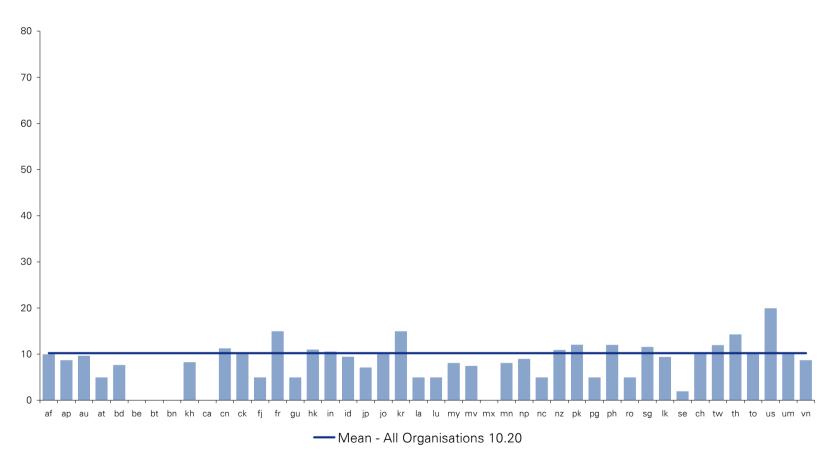
Mean of Communication Question A2-7: Country/Economy





Question A2-8: Develop the use of online communities for operational discussion

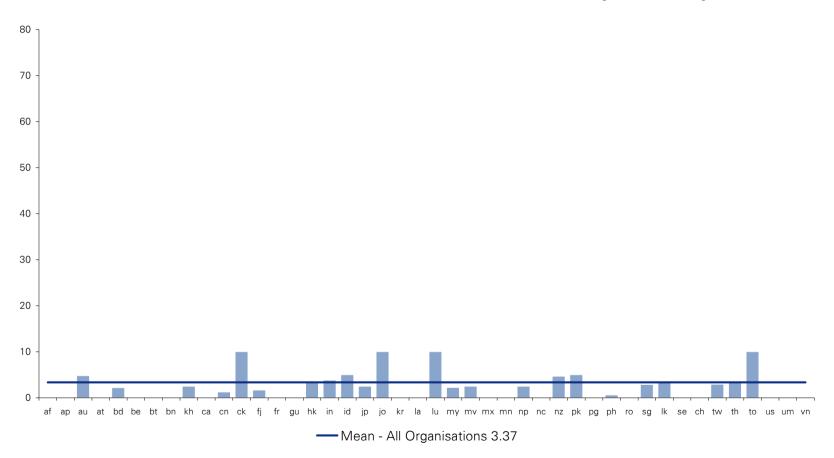
Mean of Communication Question A2-8: Country/Economy





Question A2-9: Additional area for resource allocation

Mean of Communication Question A2-9: Country/Economy

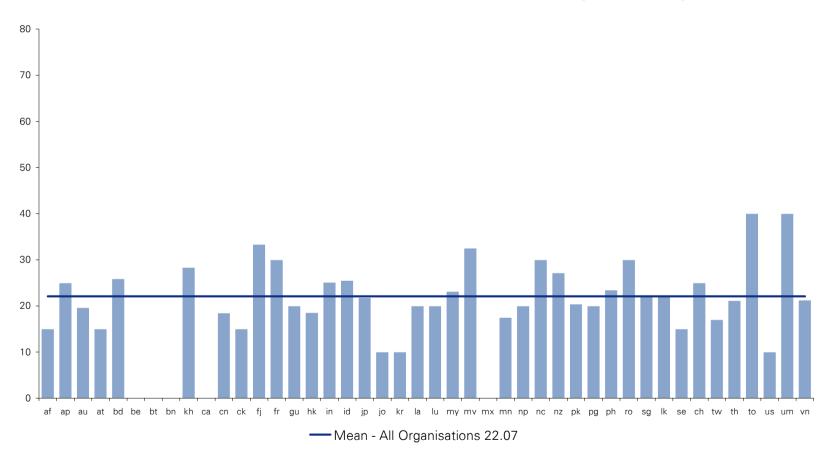




A2. APNIC Future Resource Allocation – Technical

Question A2-1: Research and development activities (for example: network monitoring and measuring, routability testing)

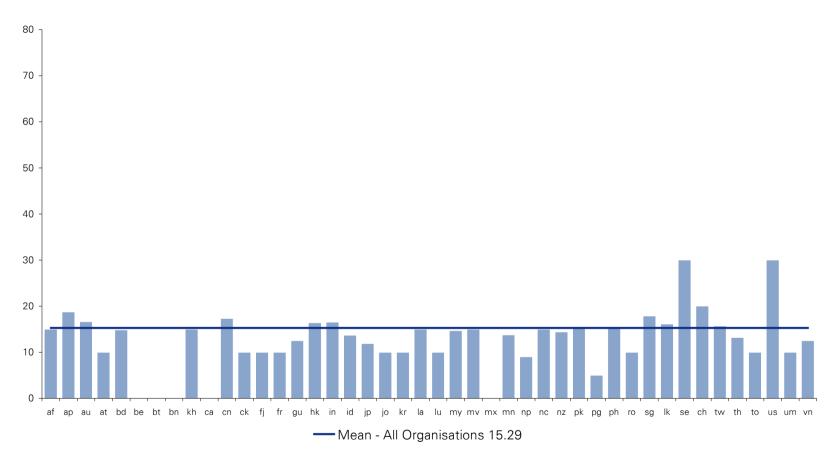
Mean of Technical Question A2-1: Country/Economy





Question A2-2: Develop web services for automated data exchange with external systems

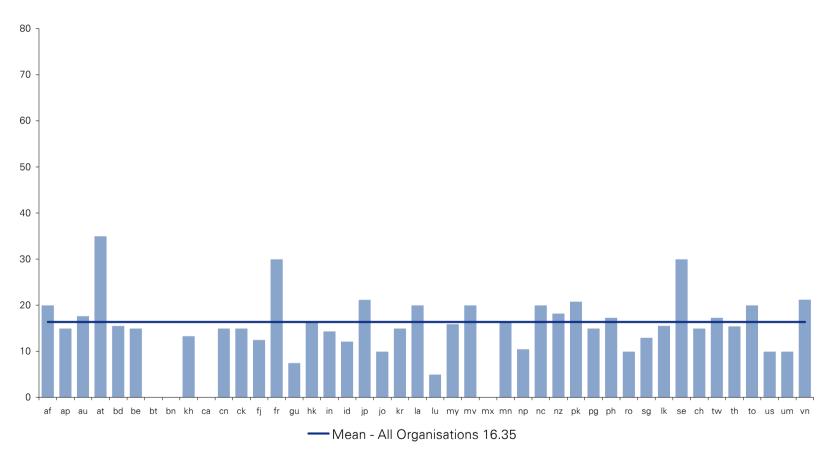
Mean of Technical Question A2-2: Country/Economy





Question A2-3: Further development of resource certification to support better routing security

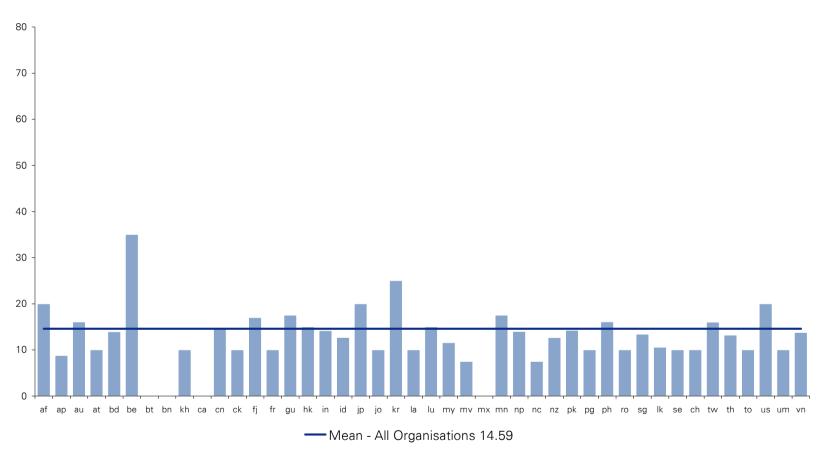
Mean of Technical Question A2-3: Country/Economy





Question A2-4: Enhance robustness of APNIC services, through extra POPs and redundancy

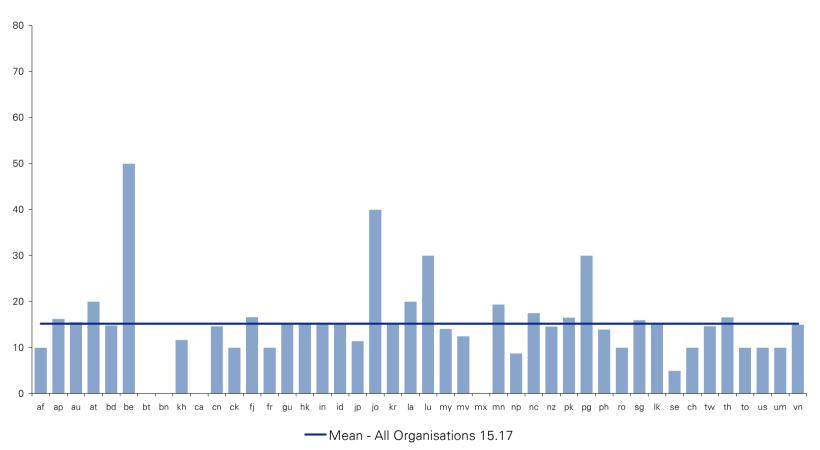
Mean of Technical Question A2-4: Country/Economy





Question A2-5: Deploy more DNS root servers in the Asia Pacific region

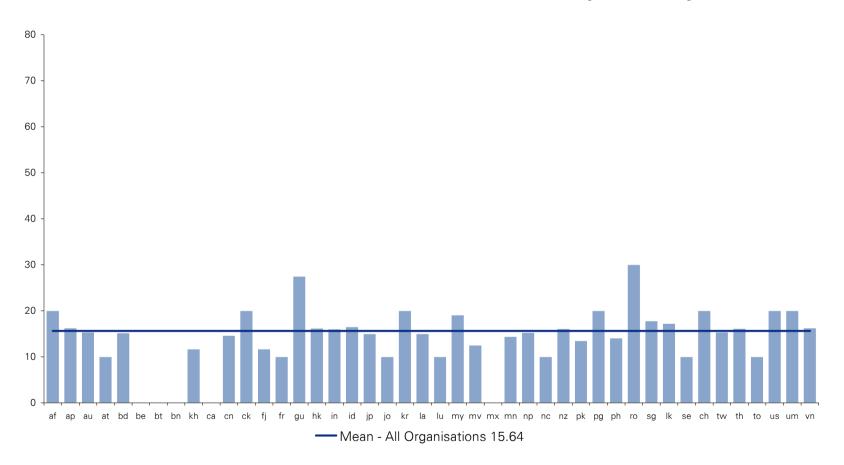
Mean of Technical Question A2-5: Country/Economy





Question A2-6: Expand network monitoring, reporting

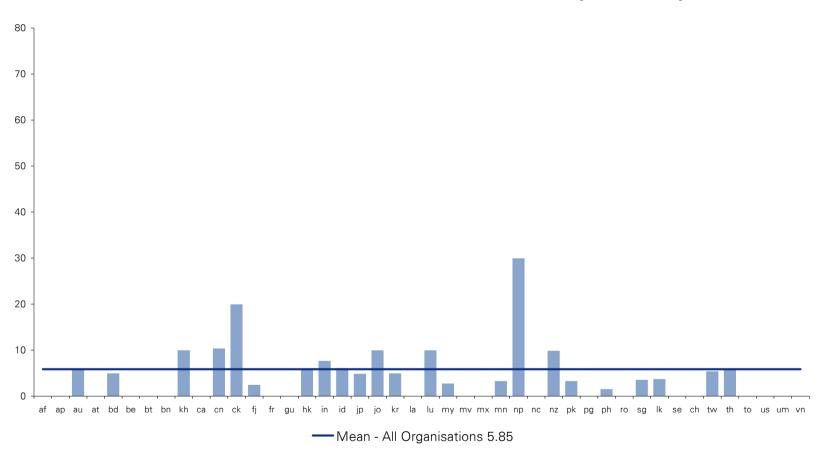
Mean of Technical Question A2-6: Country/Economy





Question A2-7: Additional area for resource allocation

Mean of Technical Question A2-7: Country/Economy

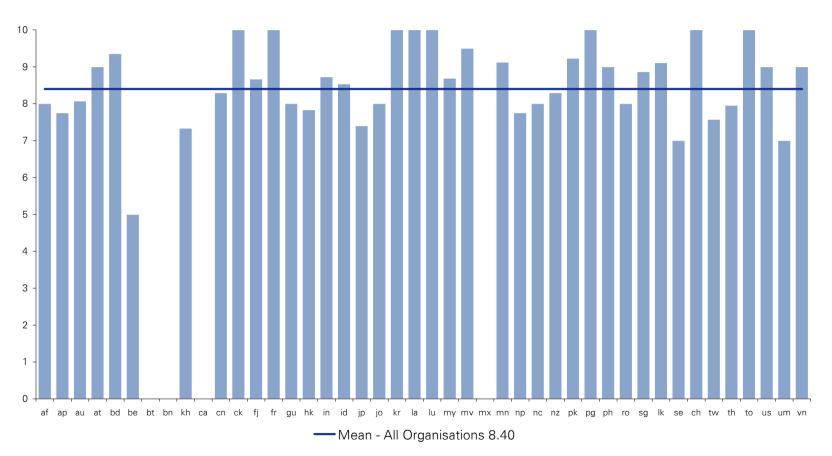




B2. Factual Propositions

Question B2-1: APNIC should have a bigger role in promoting IPv6 deployment within the AP region

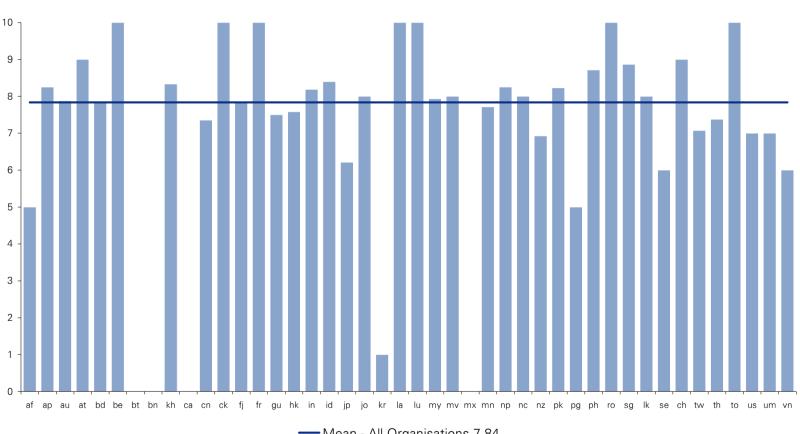
Mean of Question B2-1: Country/Economy





Question B2-2: APNIC should permit transfers of IPv4 address space BEFORE the IANA pool is exhausted

Mean of Question B2-2: Country/Economy

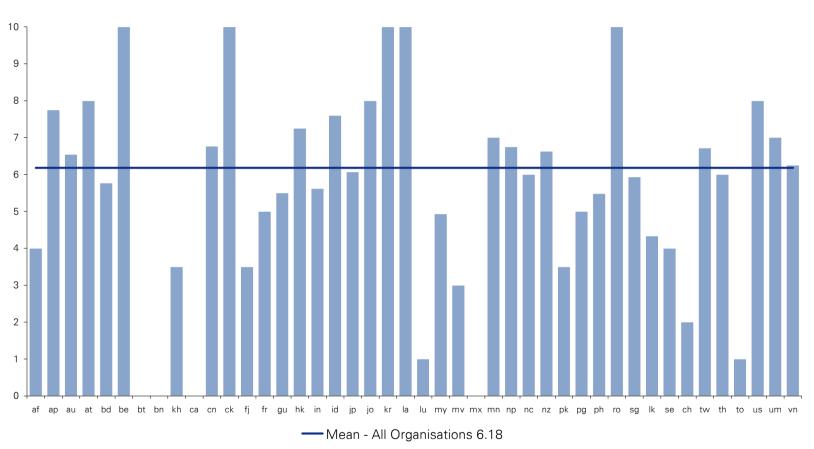


— Mean - All Organisations 7.84



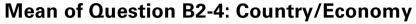
Question B2-3: APNIC should permit transfers of IPv4 address space WHEN the IANA pool is exhausted

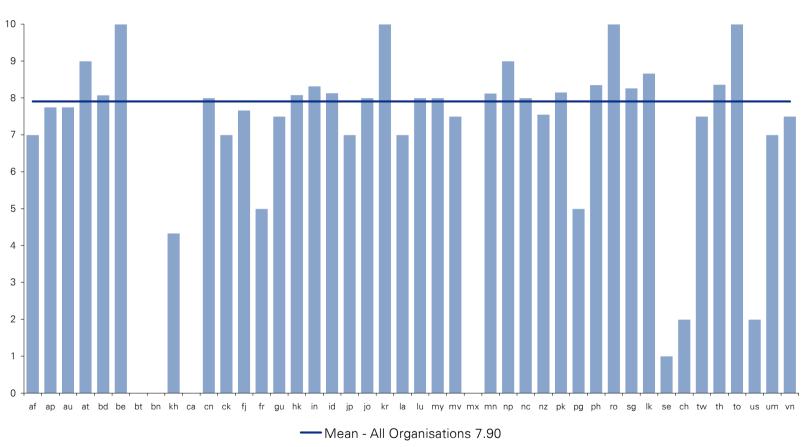
Mean of Question B2-3: Country/Economy





Question B2-4: APNIC should recover unused IPv4 address space for regional redistribution

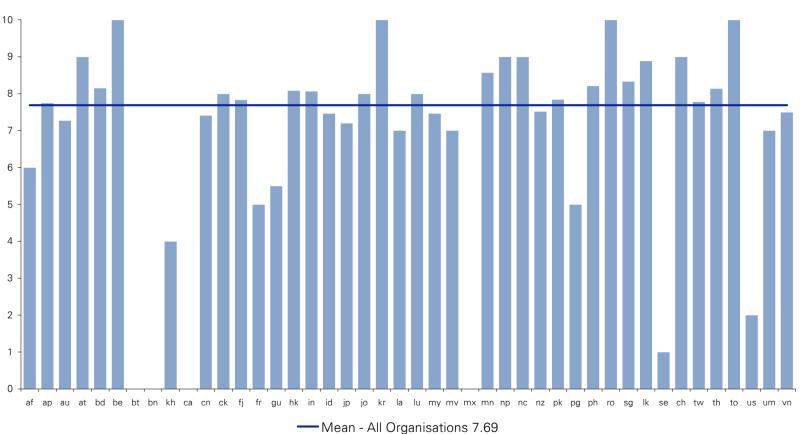






Question B2-5: All RIRs should recover unused IPv4 address space for global redistribution

Mean of Question B2-5: Country/Economy

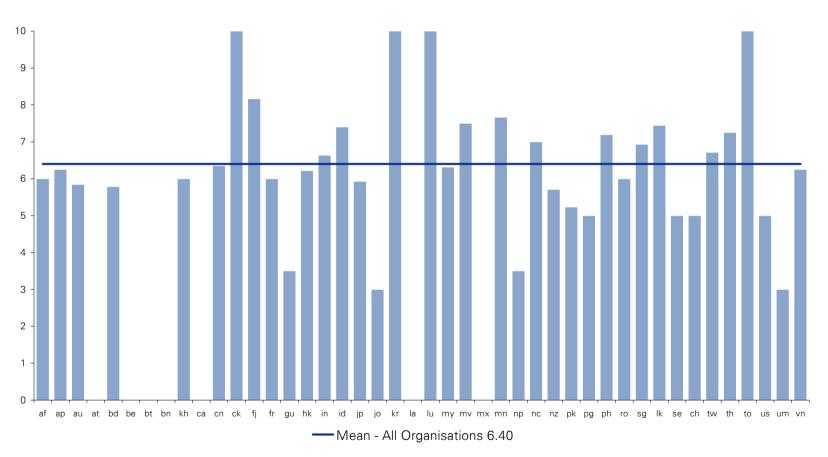


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Question B2-6: The current internet resource management systems are adequate to ensure effective global transition to IPv6

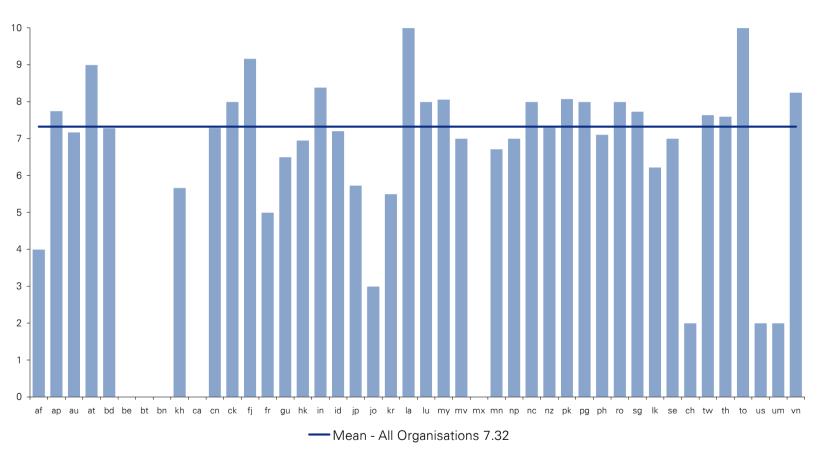
Mean of Question B2-6: Country/Economy





Question B2-7: Governments should require IPv6 compliance within entities under their control

Mean of Question B2-7: Country/Economy

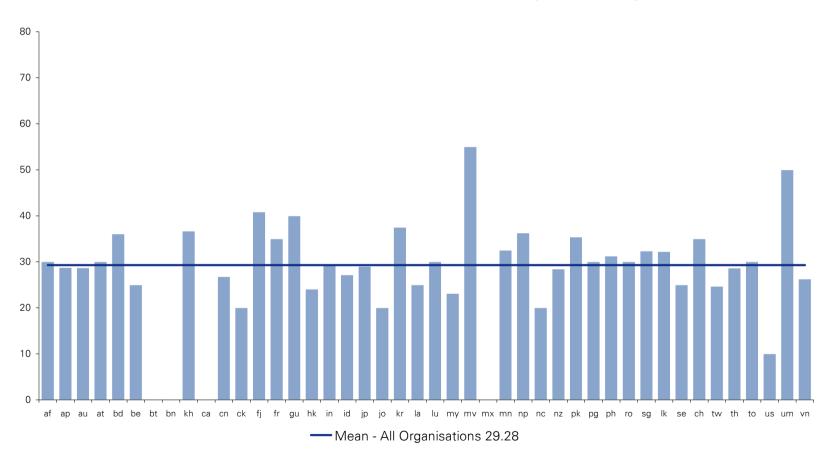




B3. IPv6 Activities

Question B3-1: IPv6 promotion, education and/or training

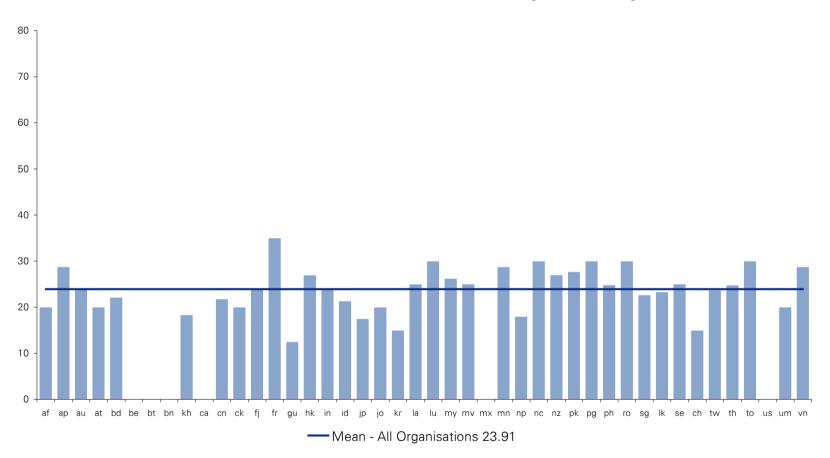
Mean of Question B3-1: Country/Economy





Question B3-2: Expert consultancy / advisory services on IPv6 deployment

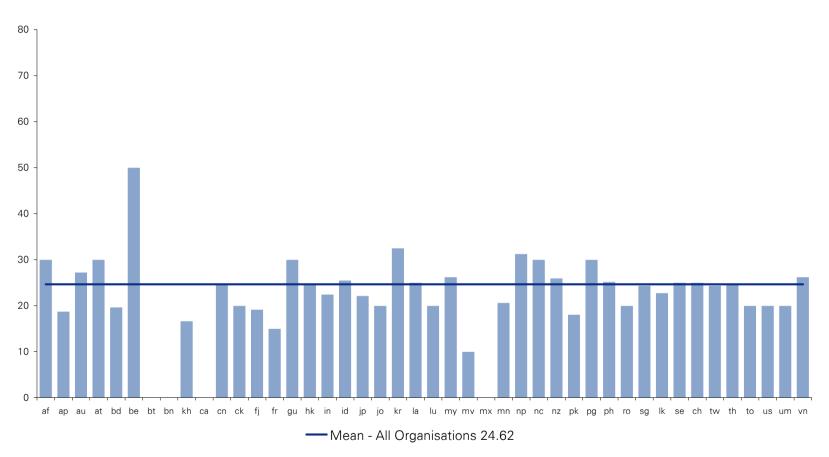
Mean of Question B3-2: Country/Economy





Question B3-3: IPv6 infrastructure services (IXP, rootservers, IRR etc)

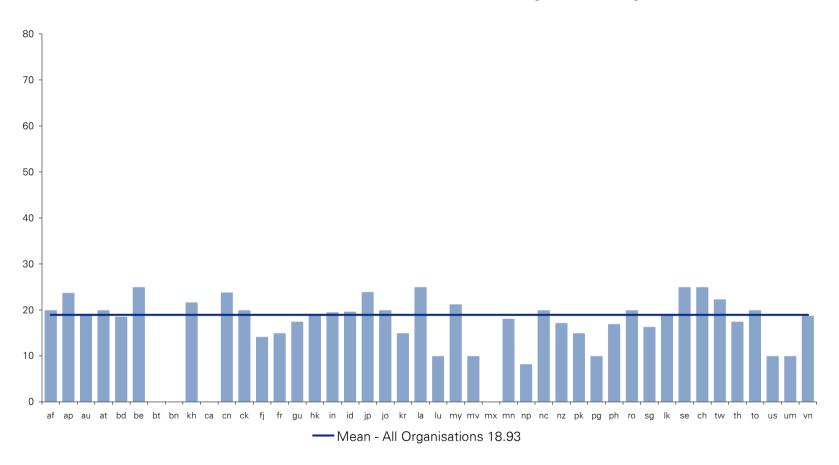
Mean of Question B3-3: Country/Economy





Question B3-4: Measure, research and report on IPv6 deployment

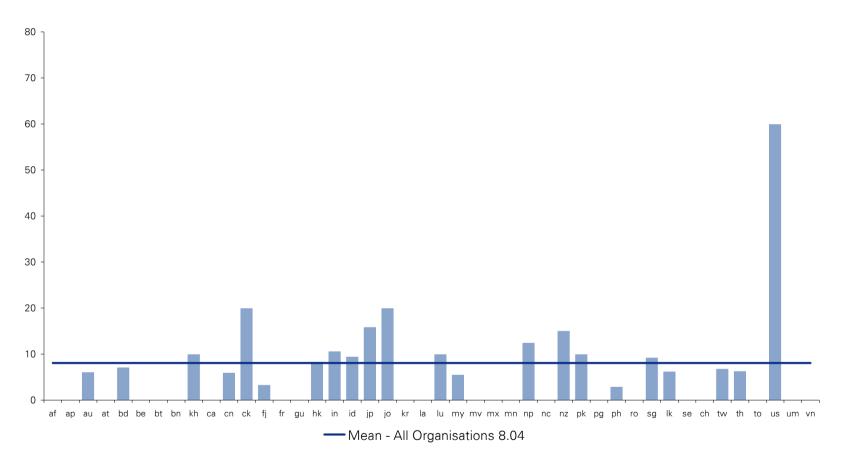
Mean of Question B3-4: Country/Economy





Question B3-5: Additional area for resource allocation

Mean of Question B3-5: Country/Economy





E Appendix 5 Analysis of response data based on membership category

Note – for ease of analysis the organisation categories per the survey have been allocated the following numerical values:

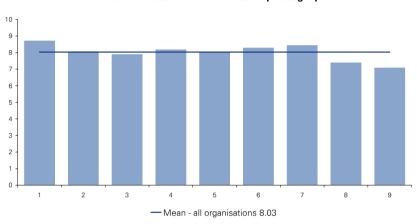
Associate	= 1
Very Small	= 2
Small	= 3
Medium	= 4
Large	= 5
Very Large	= 6
Extra Large	= 7
Non-Member Customer	= 8
Other Stakeholder	= 9

APNIC Member and Stakeholders Survey 2009 February 2009

A1. Assessment of APNIC Activities – Services

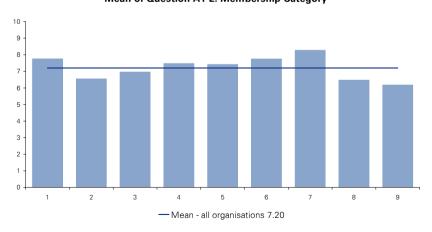
Question A1-1: The overall services provided by APNIC are satisfactory

Mean of Question A1-1: Membership Category



Question A1-2: The value members get from APNIC justifies the cost

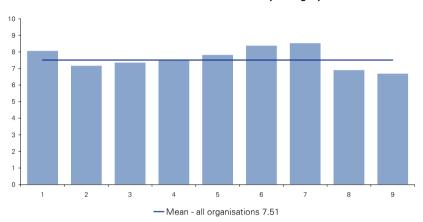
Mean of Question A1-2: Membership Category





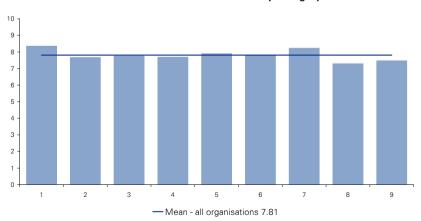
Question A1-3: The processes and requirements to obtain IPv4, IPv6 or ASN resources are clear and straightforward

Mean of Question A1-3: Membership Category



Question A1-4: APNIC resource allocation services (IPv4, IPv6 or ASN) are adequate in response time and relevance

Mean of Question A1-4: Membership Category

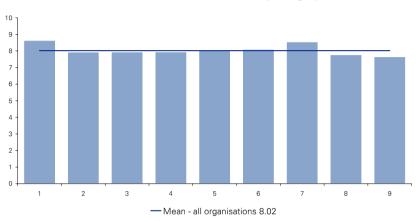




APNIC Member and Stakeholders Survey 2009 February 2009

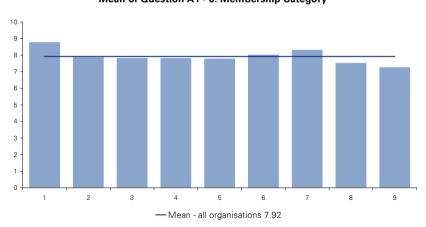
Question A1-5: The APNIC helpdesk is easy to contact

Mean of Question A1-5: Membership Category



Question A1-6: The APNIC helpdesk provides timely and appropriate responses to enquiries

Mean of Question A1 - 6: Membership Category



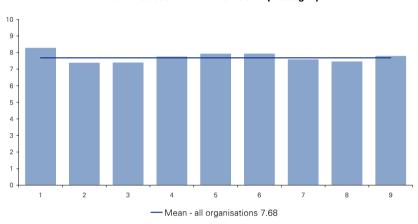


A1. Assessment of APNIC Activities – Online Services

Question A1-7: MyAPNIC operates at a high level of quality, usability and reliability

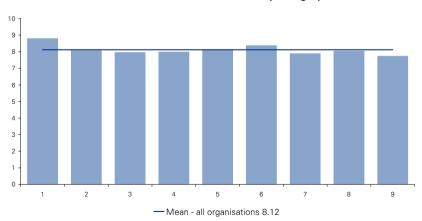
Mean of Question A1-7: Membership Category

February 2009



Question A1-8: APNIC whois database operates at a high level of quality, usability and reliability

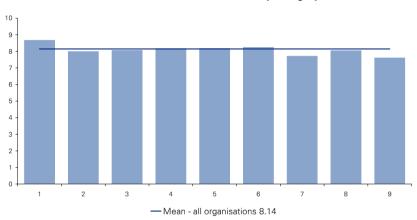
Mean of Question A1-8: Membership Category





Question A1-9: Reverse DNS services operate at a high level of quality, usability and reliability

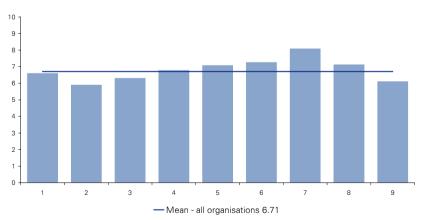
Mean of Question A1-9: Membership Category



A1. Assessment of APNIC Activities – Training Services

Question A1-10: APNIC face-to-face training is readily available in my region

Mean of Question A1-10: Membership Category

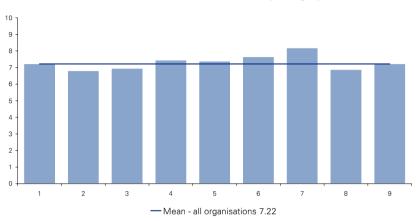




APNIC Member and Stakeholders Survey 2009 February 2009

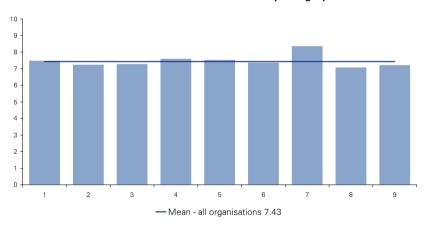
Question A1-11: APNIC training meets my expectations

Mean of Question A1-11: Membership Category



Question A1-12: APNIC tutorials and workshops are set at the correct levels

Mean of Question A1-12: Membership Category



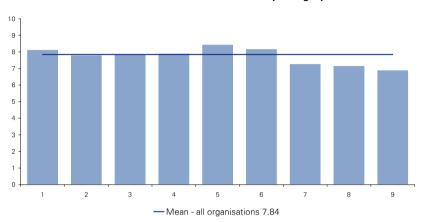
Asia Pacific Network Information Centre (APNIC)

APNIC Member and Stakeholders Survey 2009

February 2009

Question A1-13: APNIC should establish an open funding mechanism to support training and education for organisations in need within the region

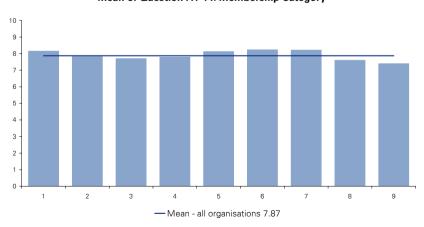
Mean of Question A1-13: Membership Category



A1. Assessment of APNIC Activities – Communications

Question A1-14: APNIC communicates useful and relevant information

Mean of Question A1-14: Membership Category



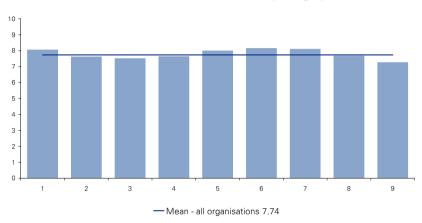


Asia Pacific Network Information Centre (APNIC) APNIC Member and Stakeholders Survey 2009

February 2009

Question A1-15: APNIC communicates in a way that meets my needs

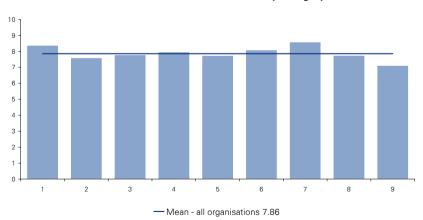
Mean of Question A1-15: Membership Category



A1. Assessment of APNIC Activities – Web Site

Question A1-16 The APNIC website helps me understand the activities of APNIC

Mean of Question A1-16: Membership Category

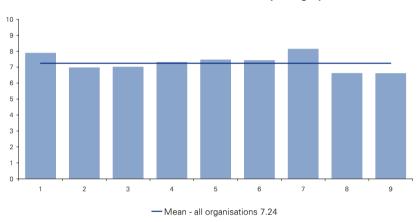


APNIC Member and Stakeholders Survey 2009 February 2009

A1. Assessment of APNIC Activities – Policy

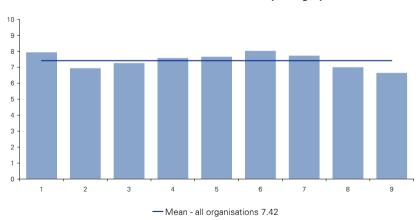
Question A1-17: The APNIC policy development process is easy to understand

Mean of Question A1-17: Membership Category



Question A1-18: The APNIC policy development process is an effective way of developing resource management policy

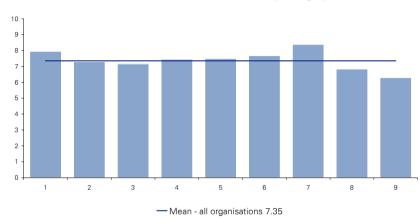
Mean of Question A1-18: Membership Category





Question A1-19: The current policy development process provides me with the tools to participate in the process

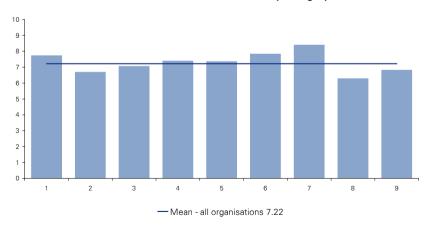
Mean of Question A1-19: Membership Category



A1. Assessment of APNIC Activities – Meetings and Community

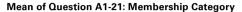
Question A1-20: The content and activities of APNIC meetings are at a level of importance and interest that I want to attend

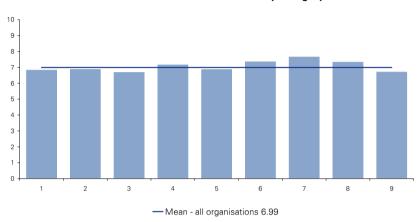
Mean of Question A1-20: Membership Category



APNIC Member and Stakeholders Survey 2009 February 2009

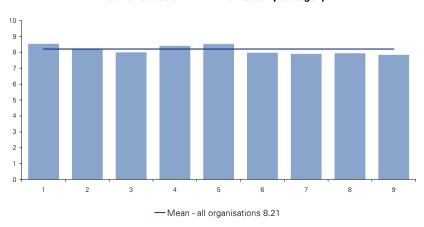
Question A1-21: The remote participation options (video and audio streams, live session transcripts, chat rooms, and archived media) are easy to use





Question A1-22: APNIC should be involved with activities and events of operator groups, ISP associations, government and educational institutions in the region

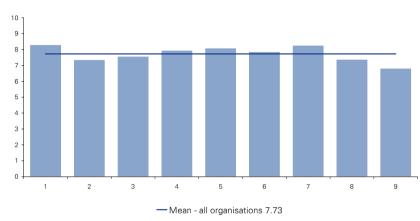
Mean of Question A1-22: Membership Category





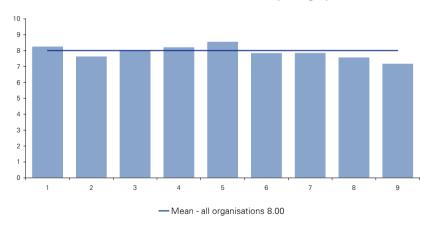
Question A1-23: APNIC effectively represents the interest of Asia Pacific network operators in global forums

Mean of Question A1-23: Membership Category



Question A1-24: APNIC should have higher-level representation to liaise with governments and industry across the region

Mean of Question A1-24: Membership Category

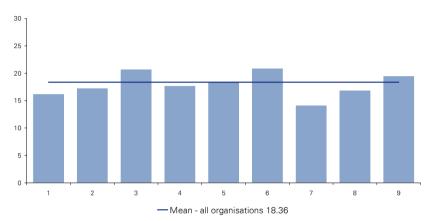




A2. APNIC Future Resource Allocation – Services

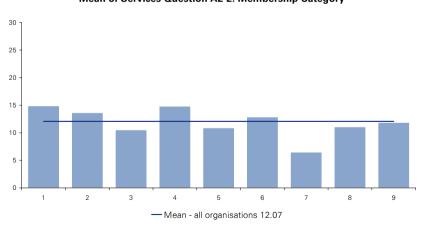
Question A2-1: Expand training activities in scope, geographical coverage and online options

Mean of Services Question A2-1: Membership Category



Question A2-2: Expand local presence by opening APNIC branches

Mean of Services Question A2-2: Membership Category

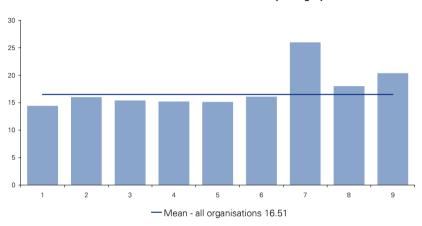




APNIC Member and Stakeholders Survey 2009 February 2009

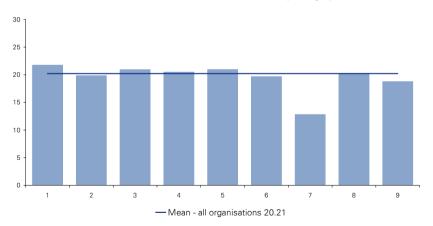
Question A2-3: Streamline resource requests and allocation processes





Question A2-4: Support network engineering education in the Asia Pacific region

Mean of Services Question A2-4: Membership Category

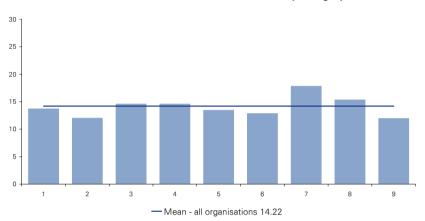




APNIC Member and Stakeholders Survey 2009 February 2009

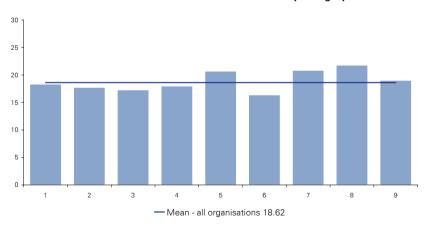
Question A2-5: Enhance APNIC membership / helpdesk support

Mean of Services Question A2-5: Membership Category



Question A2-6: Support of IPv6 deployment

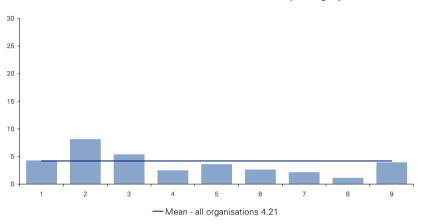
Mean of Services Question A2-6: Membership Category



APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-7: Additional area for resource allocation

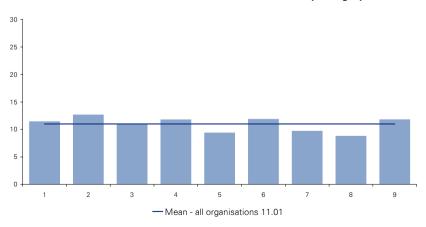




A2. APNIC Future Resource Allocation – Communication

Question A2-1: Extend the use of APNIC multimedia communications

Mean of Communication Question A2-1: Membership Category

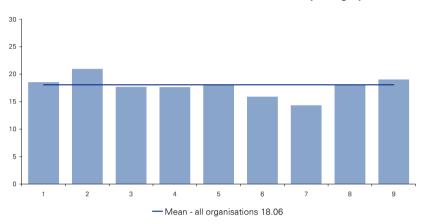


February 2009



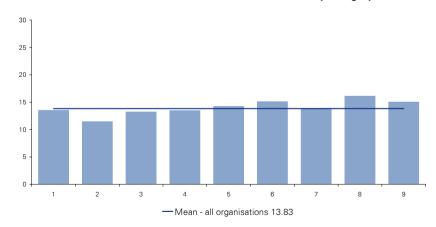
Question A2-2: Increase the support of the community's efforts to adopt IPv6

Mean of Communication Question A2-2: Membership Category



Question A2-3: Expand APNIC involvement in the support and development of regional operator forums (NOGS, IPv6 groups etc)

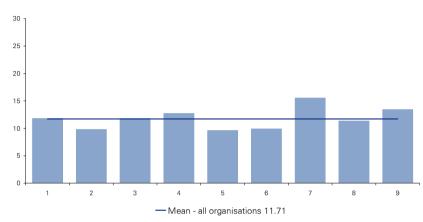
Mean of Communication Question A2-3: Membership Category





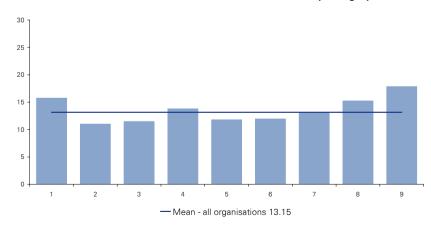
Question A2-4: Increase accessibility of APNIC meetings and policy processes

Mean of Communication Question A2-4: Membership Category



Question A2-5: Represent the needs of the Asian Pacific Internet community in internet governance (including governments, regulators and internet technical organisations)

Mean of Communication Question A2-5: Membership Category

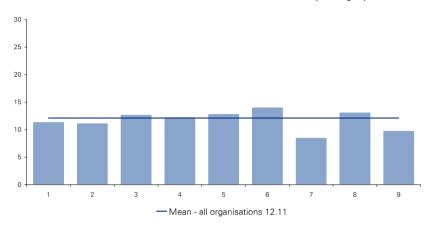




APNIC Member and Stakeholders Survey 2009 February 2009

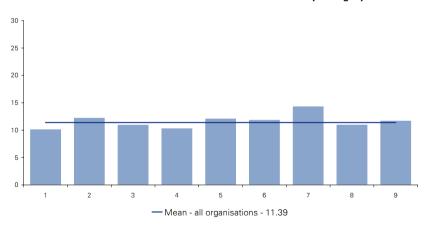
Question A2-6: Provide educational materials regarding APNIC services

Mean of Communication Question A2-6: Membership Category



Question A2-7: Publish statistics, analysis and articles about Internet development and use

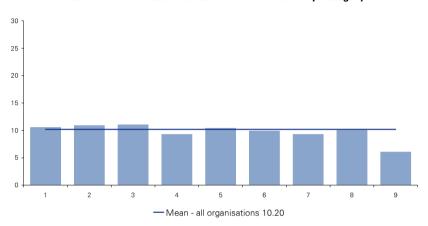
Mean of Communication Question A2-7: Membership Category



APNIC Member and Stakeholders Survey 2009 February 2009

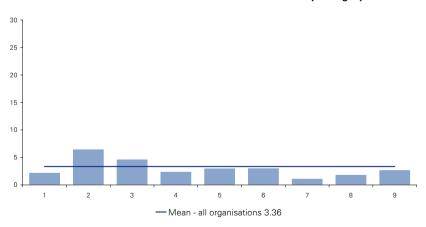
Question A2-8: Develop the use of online communities for operational discussion





Question A2-9: Additional area for resource allocation

Mean of Communication Question A2-9: Membership Category

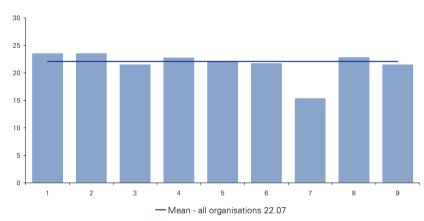




A2. APNIC Future Resource Allocation – Technical

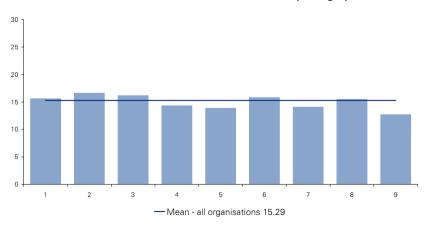
Question A2-1: Research and development activities (for example: network monitoring and measuring, routability testing)

Mean of Technical Question A2-1: Membership Category



Question A2-2: Develop web services for automated data exchange with external systems

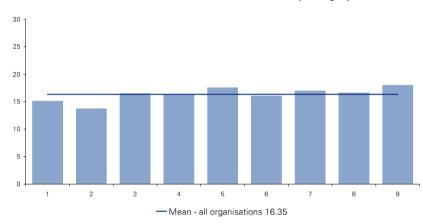
Mean of Technical Question A2-2: Membership Category





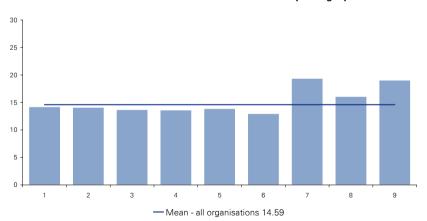
Question A2-3: Further development of resource certification to support better routing security

Mean of Technical Question A2-3: Membership Category



Question A2-4: Enhance robustness of APNIC services, through extra POPs and redundancy

Mean of Technical Question A2-4: Membership Category

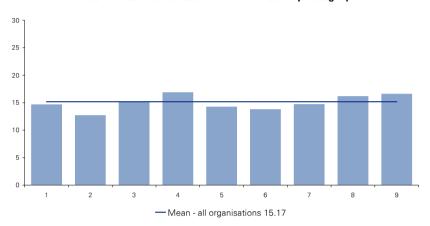




APNIC Member and Stakeholders Survey 2009 February 2009

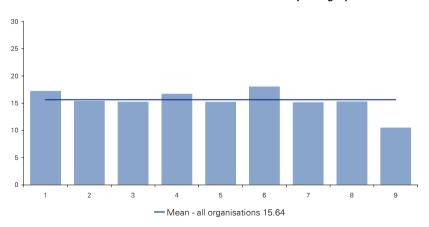
Question A2-5: Deploy more DNS root servers in the Asia Pacific region

Mean of Technical Question A2-5: Membership Category



Question A2-6: Expand network monitoring, reporting

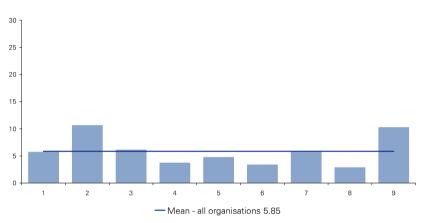
Mean of Technical Question A2-6: Membership Category



APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-7: Additional area for resource allocation

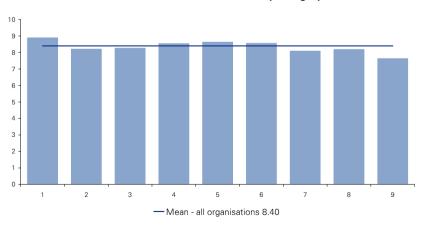




B2. Factual Propositions

Question B2-1: APNIC should have a bigger role in promoting IPv6 deployment within the AP region

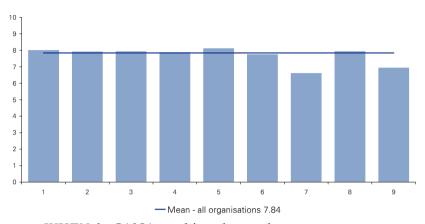
Mean of Question B2-1: Membership Category





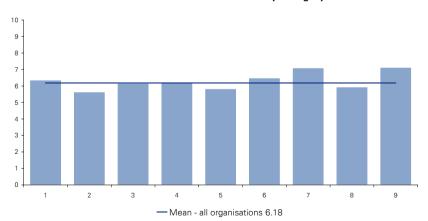
Question B2-2: APNIC should permit transfers of IPv4 address space <u>BEFORE</u> the IANA pool is exhausted

Mean of Question B2-2: Membership Category



Question B2-3: APNIC should permit transfers of IPv4 address space WHEN the IANA pool is exhausted

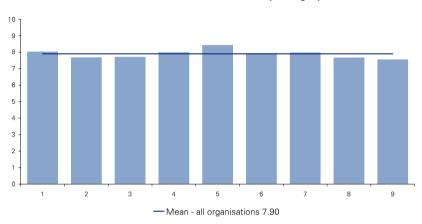
Mean of Question B2-3: Membership Category





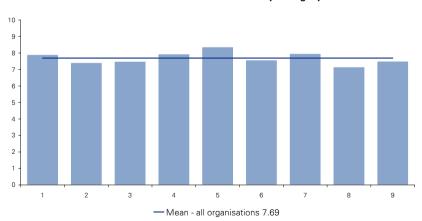
Question B2-4: APNIC should recover unused IPv4 address space for regional redistribution

Mean of Question B2-4: Membership Category



Question B2-5: All RIRs should recover unused IPv4 address space for global redistribution

Mean of Question B2-5: Membership Category



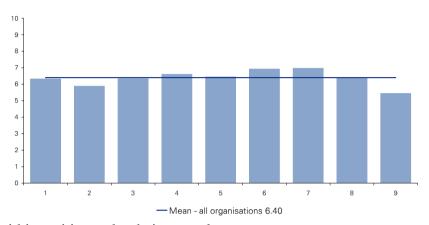
Asia Pacific Network Information Centre (APNIC)

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February 2009

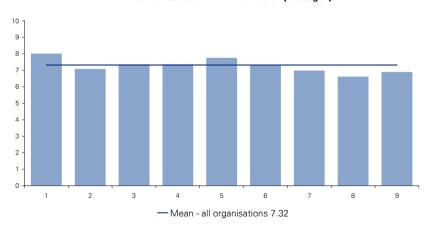
Question B2-6: The current internet resource management systems are adequate to ensure effective global transition to IPv6

Mean of Question B2-6: Membership Category



Question B2-7: Governments should require IPv6 compliance within entities under their control

Mean of Question B2-7: Membership Category

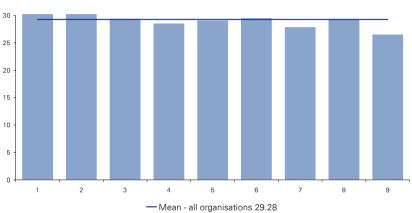


APNIC Member and Stakeholders Survey 2009 February 2009

B3. IPv6 Activities

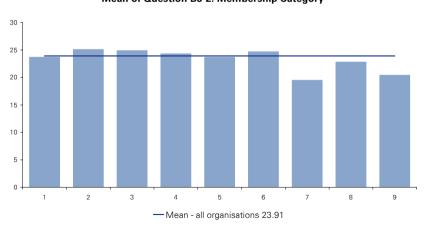
Question B3-1: IPv6 promotion, education and/or training

Mean of Question B3-1: Membership Category



Question B3-2: Expert consultancy / advisory services on IPv6 deployment

Mean of Question B3-2: Membership Category

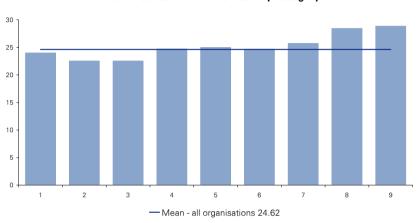




APNIC Member and Stakeholders Survey 2009 February 2009

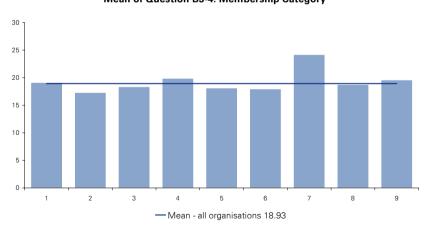
Question B3-3: IPv6 infrastructure services (IXP, rootservers, IRR etc)

Mean of Question B3-3: Membership Category



Question B3-4: Measure, research and report on IPv6 deployment

Mean of Question B3-4: Membership Category

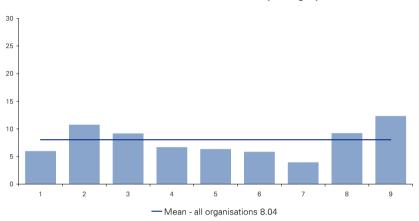




APNIC Member and Stakeholders Survey 2009 February 2009

Question B3-5: Additional area for resource allocation

Mean of Question B3-5: Membership Category

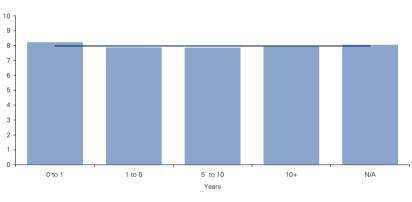


APNIC Member and Stakeholders Survey 2009 February 2009

F Appendix 6 Analysis of response data based on membership duration A1. Assessment of APNIC Activities – Services

Question A1-1: The overall services provided by APNIC are satisfactory

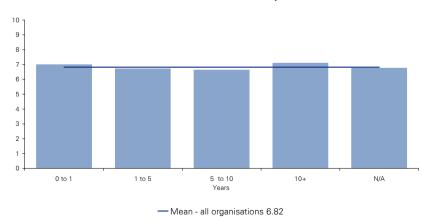
Mean of Question A1-1: Membership Duration



- Mean - all organisations 7.97

Question A1-2: The value members get from APNIC justifies the cost

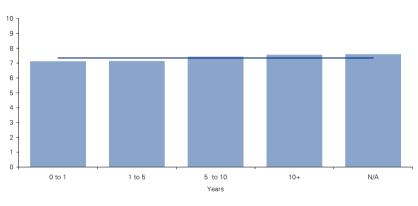
Mean of Question A1-2: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-3: The processes and requirements to obtain IPv4, IPv6 or ASN resources are clear and straightforward

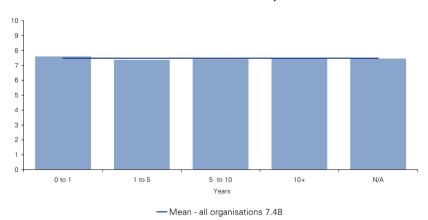
Mean of Question A1-3: Membership Duration



- Mean - all organisations 7.35

Question A1-4: APNIC resource allocation services (IPv4, IPv6 or ASN) are adequate in response time and relevance

Mean of Question A1-4: Membership Duration

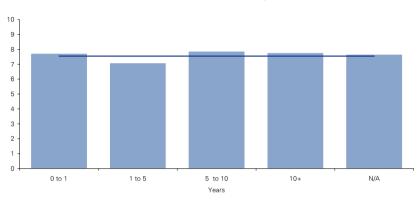




APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-5: The APNIC helpdesk is easy to contact

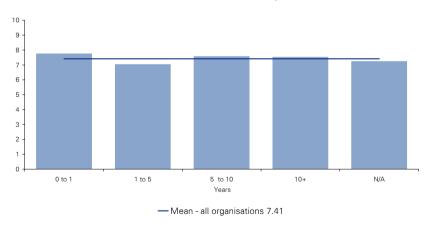
Mean Question A1-5: Membership Duration



- Mean - all organisations 7.55

Question A1-6: The APNIC helpdesk provides timely and appropriate responses to enquiries

Mean of Question A1-6: Membership Duration

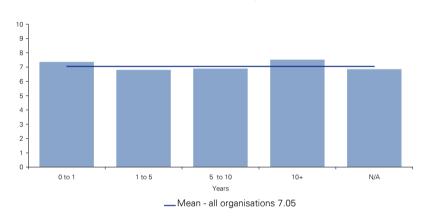


APNIC Member and Stakeholders Survey 2009 February 2009

A1. Assessment of APNIC Activities – Online Services

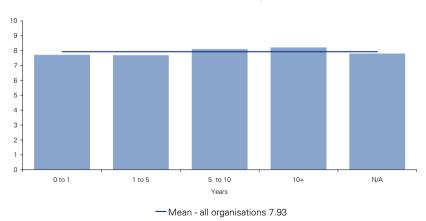
Question A1-7: MyAPNIC operates at a high level of quality, usability and reliability

Mean of Question A1-7: Membership Duration



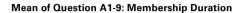
Question A1-8: APNIC whois database operates at a high level of quality, usability and reliability

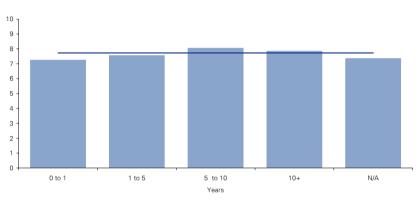
Mean of Question A1-8: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-9: Reverse DNS services operate at a high level of quality, usability and reliability



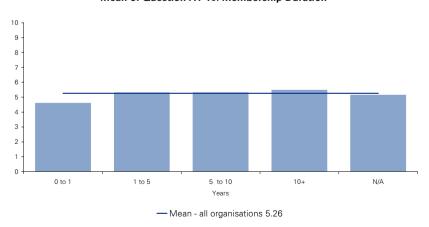


- Mean - all organisations 7.73

1. Assessment of APNIC Activities – Training Services

Question A1-10: APNIC face-to-face training is readily available in my region

Mean of Question A1-10: Membership Duration

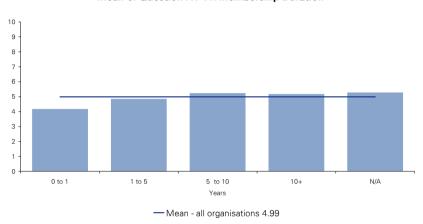




APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-11: APNIC training meets my expectations

Mean of Question A1-11: Membership Duration



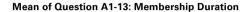
Question A1-12: APNIC tutorials and workshops are set at the correct levels

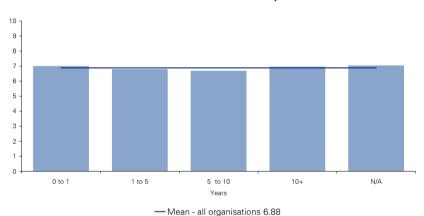
Mean of Question A1-12: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-13: APNIC should establish an open funding mechanism to support training and education for organisations in need within the region

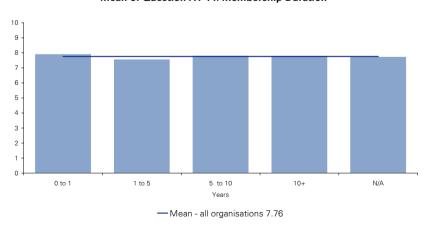




A1. Assessment of APNIC Activities – Communications

Question A1-14: APNIC communicates useful and relevant information

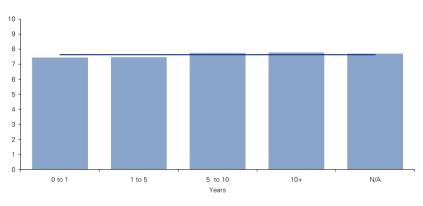
Mean of Question A1-14: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

Question A1-15: APNIC communicates in a way that meets my needs

Mean of Question A1-15: Membership Duration

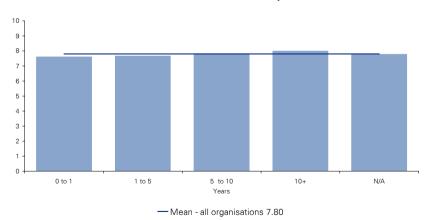


- Mean - all organisations 7.63

A1. Assessment of APNIC Activities - Web Site

Question A1-16 The APNIC website helps me understand the activities of APNIC

Mean of Question A1-16: Membership Duration

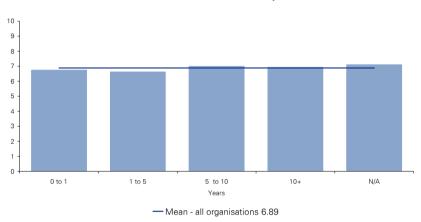


APNIC Member and Stakeholders Survey 2009 February 2009

A1. Assessment of APNIC Activities – Policy

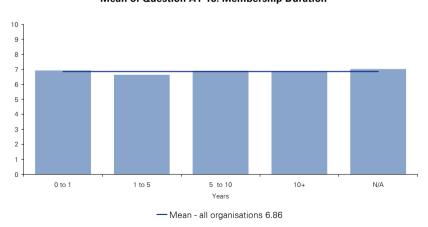
Question A1-17: The APNIC policy development process is easy to understand

Mean of Question A1-17: Membership Duration



Question A1-18: The APNIC policy development process is an effective way of developing resource management policy

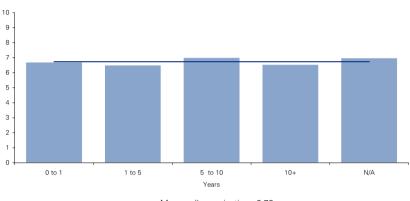
Mean of Question A1-18: Membership Duration





Question A1-19: The current policy development process provides me with the tools to participate in the process

Mean of Question A1-19: Membership Duration

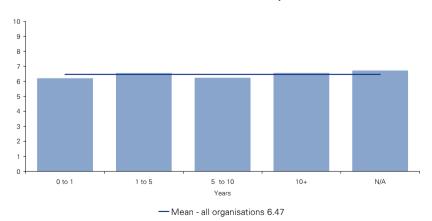


- Mean - all organisations 6.73

A1. Assessment of APNIC Activities – Meetings and Community

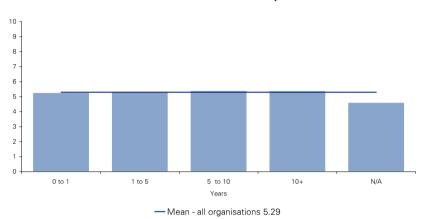
Question A1-20: The content and activities of APNIC meetings are at a level of importance and interest that I want to attend

Mean of Question A1-20: Membership Duration



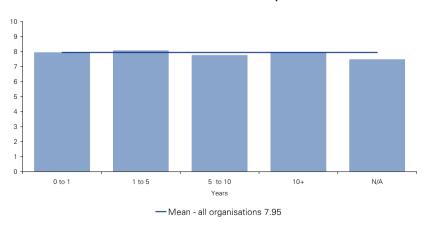
Question A1-21: The remote participation options (video and audio streams, live session transcripts, chat rooms, and archived media) are easy to use

Mean of Question A1-21: Membership Duration



Question A1-22: APNIC should be involved with activities and events of operator groups, ISP associations, government and educational institutions in the region

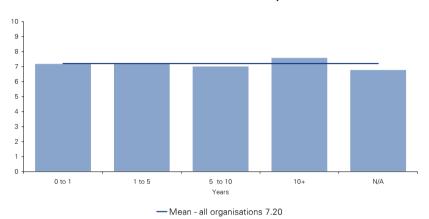
Mean of Question A1-22: Membership Duration





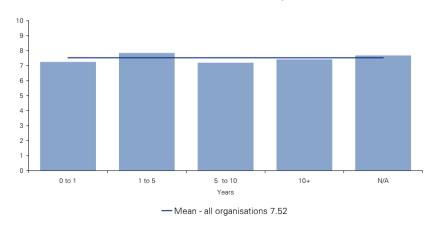
Question A1-23: APNIC effectively represents the interest of Asia Pacific network operators in global forums

Mean of Question A1-23: Membership Duration



Question A1-24: APNIC should have higher-level representation to liaise with governments and industry across the region

Mean of Question A1-24: Membership Duration

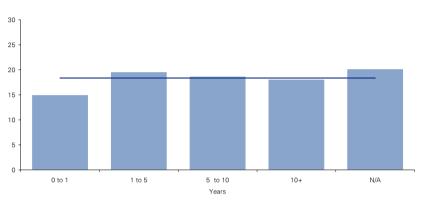




A2. APNIC Future Resource Allocation – Services

Question A2-1: Expand training activities in scope, geographical coverage and online options

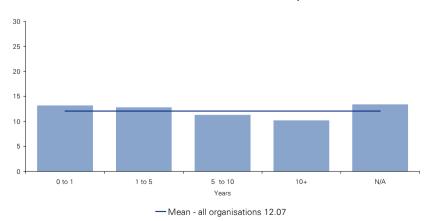
Mean of Services Question A2-1: Membership Duration



- Mean - all organisations 18.36

Question A2-2: Expand local presence by opening APNIC branches

Mean of Services Question A2-2: Membership Duration

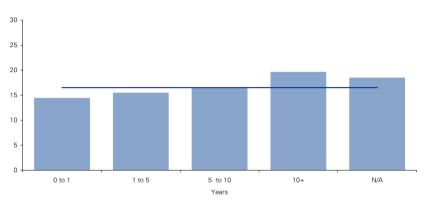




APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-3: Streamline resource requests and allocation processes

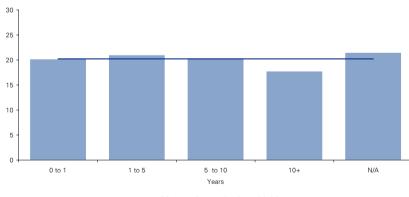
Mean of Services Question A2-3: Membership Duration



- Mean - all organisations 16.51

Question A2-4: Support network engineering education in the Asia Pacific region

Mean of Services Question A2-4: Membership Duration



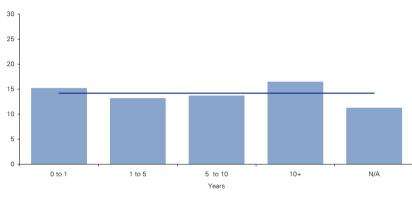
- Mean - all organisations 20.22



APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-5: Enhance APNIC membership / helpdesk support

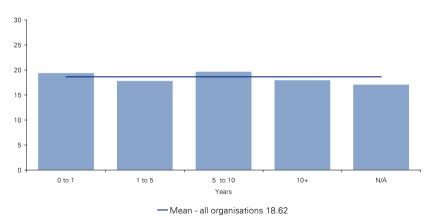
Mean of Services Question A2-5: Membership Duration



- Mean - all organisations 14.22

Question A2-6: Support of IPv6 deployment

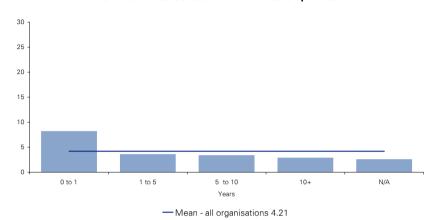
Mean of Services Question A2-6: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-7: Additional area for resource allocation

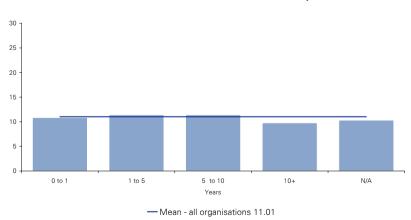
Mean of Services Question A2-7: Membership Duration



A2. APNIC Future Resource Allocation – Communication

Question A2-1: Extend the use of APNIC multimedia communications

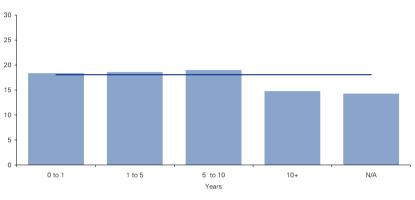
Mean of Communications Question A2-1: Membership Duration



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Question A2-2: Increase the support of the community's efforts to adopt IPv6

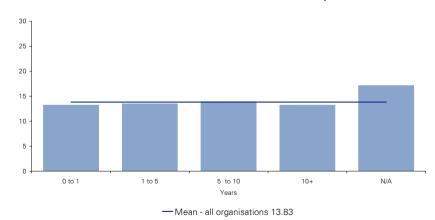
Mean of Communications Question A2-2: Membership Duration



- Mean - all organisations 18.07

Question A2-3: Expand APNIC involvement in the support and development of regional operator forums (NOGS, IPv6 groups etc)

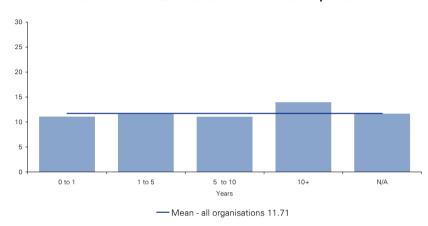
Mean of Communications Question A2-3: Membership Duration





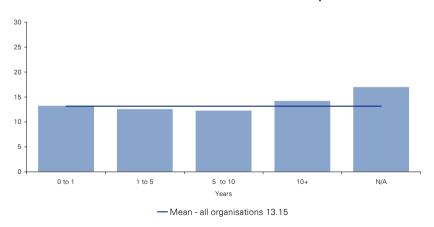
Question A2-4: Increase accessibility of APNIC meetings and policy processes





Question A2-5: Represent the needs of the Asian Pacific Internet community in internet governance (including governments, regulators and internet technical organisations)

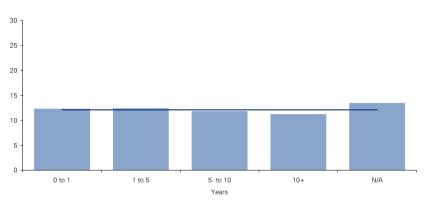
Mean of Communications Question A2-5: Membership Duration



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Question A2-6: Provide educational materials regarding APNIC services

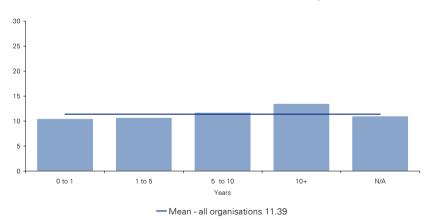
Mean of Communications Question A2-6: Membership Duration



- Mean - all organisations 12.12

Question A2-7: Publish statistics, analysis and articles about Internet development and use

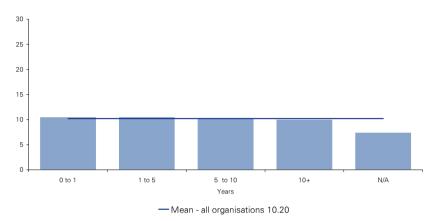
Mean of Communications Question A2-7: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

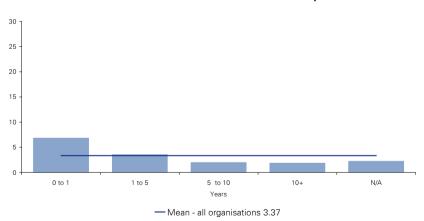
Question A2-8: Develop the use of online communities for operational discussion





Question A2-9: Additional area for resource allocation

Mean of Communications Question A2-9: Membership Duration

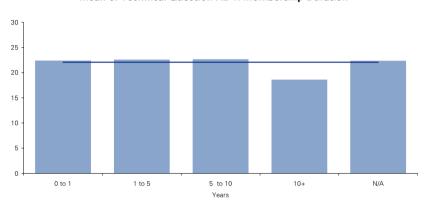




A2. APNIC Future Resource Allocation – Technical

Question A2-1: Research and development activities (for example: network monitoring and measuring, routability testing)

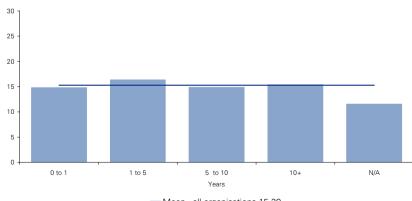
Mean of Technical Question A2-1: Membership Duration



- Mean - all organisations 22.07

Question A2-2: Develop web services for automated data exchange with external systems

Mean of Technical Question A2-2: Membership Duration

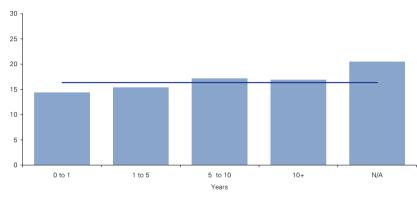


- Mean - all organisations 15.29



Question A2-3: Further development of resource certification to support better routing security

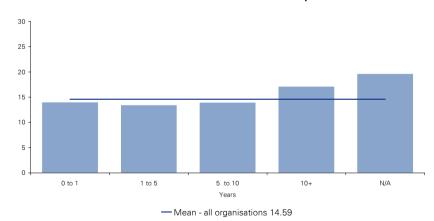
Mean of Technical Question A2-3: Membership Duration



- Mean - all organisations 16.35

Question A2-4: Enhance robustness of APNIC services, through extra POPs and redundancy

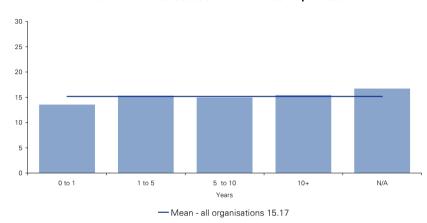
Mean of Technical Question A2-4: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

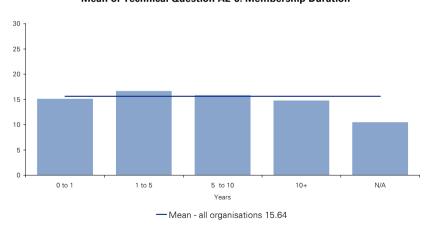
Question A2-5: Deploy more DNS root servers in the Asia Pacific region

Mean of Technical Question A2-5: Membership Duration



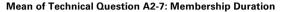
Question A2-6: Expand network monitoring, reporting

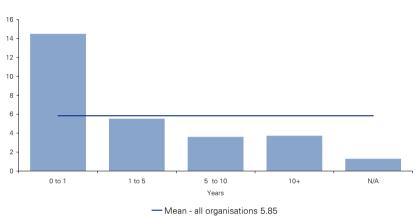
Mean of Technical Question A2-6: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

Question A2-7: Additional area for resource allocation

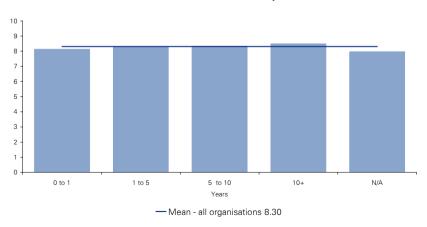




B2. Factual Propositions

Question B2-1: APNIC should have a bigger role in promoting IPv6 deployment within the AP region

Mean of Question B2-1: Membership Duration

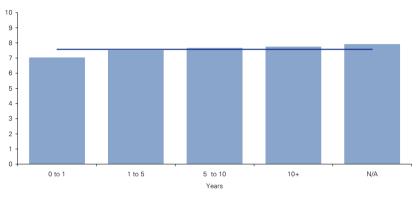




APNIC Member and Stakeholders Survey 2009 February 2009

Question B2-2: APNIC should permit transfers of IPv4 address space <u>BEFORE</u> the IANA pool is exhausted

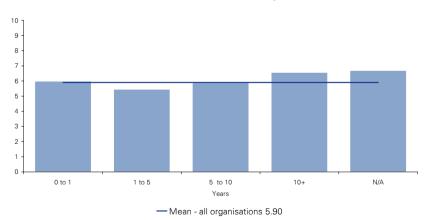
Mean of Question B2-2: Membership Duration



- Mean - all organisations 7.57

Question B2-3: APNIC should permit transfers of IPv4 address space WHEN the IANA pool is exhausted

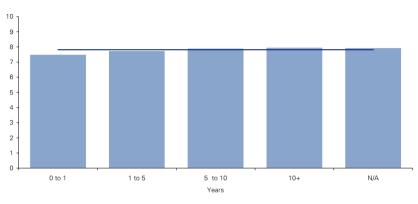
Mean of Question B2-3: Membership Duration



APNIC Member and Stakeholders Survey 2009 February 2009

Question B2-4: APNIC should recover unused IPv4 address space for regional redistribution

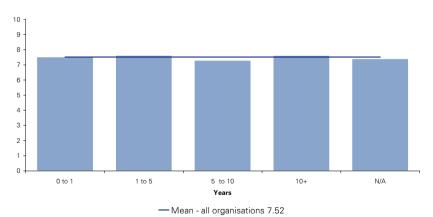
Mean of Question B2-4: Membership Duration



- Mean - all organisations 7.82

Question B2-5: All RIRs should recover unused IPv4 address space for global redistribution

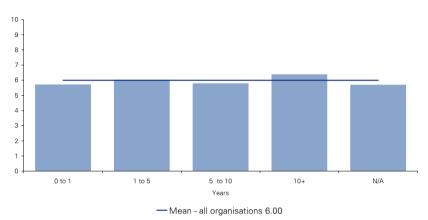
Mean of Question B2-5: Membership Duration



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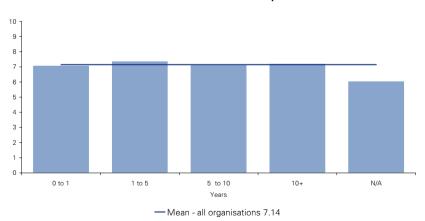
Question B2-6: The current internet resource management systems are adequate to ensure effective global transition to IPv6

Mean of Question B2-6: Membeship Duration



Question B2-7: Governments should require IPv6 compliance within entities under their control

Mean of Question B2-7: Membership Duration

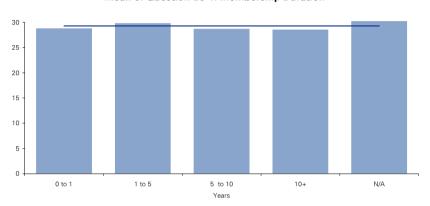


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B3. IPv6 Activities

Question B3-1: IPv6 promotion, education and/or training

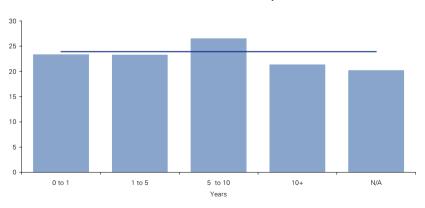
Mean of Question B3-1: Membership Duration



- Mean - all organisations 29.28

Question B3-2: Expert consultancy / advisory services on IPv6 deployment

Mean of Question B3-2: Membership Duration



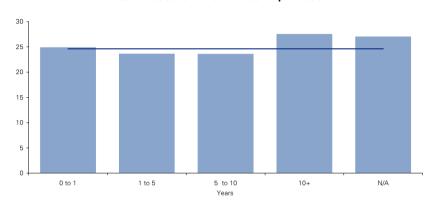
- Mean - all organisations 29.28



APNIC Member and Stakeholders Survey 2009 February 2009

Question B3-3: IPv6 infrastructure services (IXP, rootservers, IRR etc)

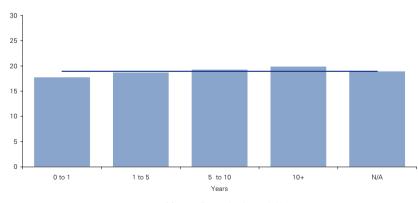
Mean of Question B3-3: Membership Duration



- Mean - all organisations 24.62

Question B3-4: Measure, research and report on IPv6 deployment

Mean of Question B3-4: Membership Duration



- Mean - all organisations 18.93



APNIC Member and Stakeholders Survey 2009 February 2009

Question B3-5: Additional area for resource allocation

Mean of Question B3-5: Membership Duration

