APNIC 2024 Survey
Appendix B

Survey Data Tables &
Segmentation by Region & Classification of Economies

Overview

This Appendix B provides the results for all questions asked in the 2024 APNIC Survey.

These are presented as full frequency or Top 3 where appropriate. When analysing the survey data, the data has been cross-tabulated by respondents' relationship with APNIC (Member or Stakeholder), APNIC sub-region (East Asia, Oceania, South East Asia and South Asia) and Classification of Economies (Least Developed Economies (LDEs)) or Other (Developed or Developing).

Individual responses from economies associated with non-APNIC regions were excluded.

Q3. What type of organization do you work for?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
Internet Service Provider (ISP)	30%	35%	12%	29%	17%	31%	41%	45%	25%
Academic/Educational/Research	17%	15%	23%	19%	19%	16%	15%	9%	20%
Telecommunications/Mobile operator	12%	12%	10%	11%	10%	14%	11%	10%	13%
Government/Regulator/Municipality	7%	6%	13%	1%	13%	8%	6%	9%	7%
Hosting/Data centre	5%	6%	1%	5%	5%	6%	3%	2%	6%
Banking/Financial	5%	4%	6%	3%	2%	7%	6%	8%	3%
Non-profit/NGO/Internet community	4%	2%	11%	6%	7%	2%	2%	2%	4%
Software vendor	4%	4%	3%	8%	3%	1%	3%	2%	3%
Enterprise/Manufacturing/Retail	3%	4%	3%	2%	5%	4%	3%	3%	4%
Internet Exchange Point (IXP)	2%	2%	2%	3%	1%	3%	2%	3%	2%
NREN/Research network	1%	1%	1%	1%	1%	1%	2%	1%	1%
Domain name registry/Registrar	1%	1%	2%	3%	1%	1%	0%	1%	1%
Hardware vendor	1%	0%	2%	0%	0%	1%	1%	1%	1%
Industrial (construction, mining, oil)	1%	1%	1%	0%	2%	1%	0%	1%	1%
Infrastructure (transport/hospital)	1%	1%	1%	2%	2%	0%	0%	0%	1%
Media/Entertainment	1%	1%	0%	3%	0%	0%	0%	0%	1%
Other	7%	6%	10%	5%	11%	6%	4%	3%	7%

Q4. What is your role within the organisation?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**1,173**	**916**	**257**	**151**	**243**	**331**	**388**	**338**	**775**
Network/Systems Operations Engineer/Manager	38%	39%	34%	38%	44%	37%	37%	35%	40%
Network/Systems Planning Engineer/Manager	31%	33%	23%	36%	32%	29%	30%	28%	32%
IT Support	16%	15%	19%	17%	17%	18%	14%	16%	16%
Manager	14%	15%	13%	13%	15%	16%	15%	15%	15%
CEO/COO/CFO	10%	12%	4%	7%	12%	7%	14%	16%	8%
Academic/Research	9%	7%	16%	16%	8%	10%	7%	4%	11%
CTO/CIO	8%	10%	4%	9%	9%	6%	10%	11%	7%
Product/Peering/Interconnect Engineer/Manager	8%	8%	6%	9%	7%	10%	5%	5%	9%
Project Manager	5%	5%	6%	7%	7%	5%	3%	2%	6%
Trainer	5%	4%	8%	3%	5%	7%	4%	4%	5%
Student	4%	4%	5%	7%	1%	5%	5%	3%	4%
Software Engineer	4%	3%	5%	3%	7%	3%	2%	3%	4%
Applications Developer	3%	2%	5%	5%	3%	4%	1%	2%	3%
Sales/Marketing	2%	2%	3%	4%	2%	2%	1%	1%	2%
Other	8%	5%	15%	4%	8%	6%	9%	9%	6%

Q5. Approximately how many employees are in your organization?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	256	151	243	330	388	338	774
1 – 10	13%	13%	12%	13%	24%	8%	10%	10%	14%
11 – 50	18%	18%	18%	22%	16%	16%	21%	25%	16%
51 – 100	10%	10%	10%	7%	7%	13%	12%	16%	8%
101 – 500	16%	16%	19%	17%	16%	18%	14%	16%	16%
501 – 1,000	12%	13%	11%	10%	14%	13%	12%	12%	12%
1,000 – 10,000	19%	18%	20%	20%	14%	19%	21%	16%	20%
10,000+	10%	11%	7%	9%	7%	11%	9%	4%	11%
Don't know	2%	1%	4%	2%	2%	2%	2%	1%	2%

Q2. What is your organization's relationship with APNIC?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**817**	**560**	**257**	**109**	**160**	**235**	**266**	**221**	**549**
We are an APNIC Member or Account Holder	78%	100%	-	73%	83%	79%	82%	79%	78%
We are a member of an NIR in the APNIC region	8%	-	`35%	13%	5%	9%	6%	8%	8%
Other stakeholder	14%	-	65%	15%	12%	12%	12%	13%	14%

Q6. How many times have you used an APNIC service, contacted or interacted with APNIC in the past two (2) years?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**1,173**	**916**	**257**	**151**	**243**	**331**	**388**	**338**	**775**
None	12%	10%	21%	13%	16%	10%	11%	14%	11%
1 - 5 times	47%	48%	44%	43%	50%	50%	44%	41%	49%
More than 5 times	30%	32%	24%	36%	26%	31%	32%	29%	31%
Don't know / Can't remember	10%	10%	12%	7%	8%	9%	14%	16%	8%

Q7. Over the past two years, which of the following APNIC products, services or initiatives have you engaged with or used:

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
APNIC website	61%	59%	70%	63%	62%	58%	62%	56%	63%
MyAPNIC	60%	60%	-	56%	70%	54%	60%	58%	60%
APNIC Academy training	45%	39%	71%	38%	41%	50%	47%	42%	47%
APNIC Whois Database	42%	43%	36%	49%	52%	39%	36%	30%	47%
IP address or AS number resource application	33%	33%	-	33%	26%	34%	38%	36%	33%
APNIC Helpdesk	28%	28%	-	26%	28%	23%	34%	29%	28%
APNIC Conferences, APRICOT or another online APNIC event	27%	24%	38%	34%	23%	26%	28%	26%	28%
Resource certification (RPKI)	25%	25%	-	24%	21%	23%	29%	27%	24%
APNIC Blog	23%	21%	33%	29%	24%	20%	21%	20%	23%
Routing security (ROA publication)	23%	23%	-	21%	21%	19%	29%	26%	22%
Voting in an APNIC EC election	21%	21%	-	22%	14%	13%	32%	31%	17%
Contacted APNIC with a query	20%	27%	9%	24%	25%	22%	15%	13%	23%
Presentation by APNIC representative	18%	14%	34%	21%	22%	14%	17%	13%	19%
New membership application	18%	18%	-	22%	18%	15%	20%	21%	17%
Meeting with an APNIC representative	17%	15%	28%	28%	12%	18%	16%	13%	19%
IPv4 address transfer (as source or recipient)	16%	16%	-	18%	16%	14%	19%	20%	15%
APNIC reverse DNS service (as address holder)	16%	16%	-	21%	19%	16%	14%	12%	18%
APNIC Labs reports and/or measurement statistics	11%	10%	17%	17%	10%	7%	10%	8%	11%
APNIC Mailing lists (Orbit)	11%	9%	19%	13%	16%	6%	10%	7%	12%
DASH (Dashboard for AS Health)	10%	12%	2%	9%	9%	11%	11%	10%	10%
NetOX (Network Operators' Toolbox)	6%	6%	6%	13%	4%	5%	5%	3%	8%
APNIC Annual Report or Activity Plan	6%	6%	-	15%	6%	2%	7%	6%	6%
APNIC Policy Development Process	6%	5%	9%	8%	5%	4%	5%	5%	6%
PING Podcast	3%	3%	7%	5%	4%	2%	3%	2%	4%
REx (Resource Explorer)	3%	4%	2%	2%	5%	2%	3%	1%	4%
Special Interest Groups (SIGs)	3%	3%	-	7%	3%	1%	3%	2%	3%
APNIC RDAP service	2%	2%	-	4%	2%	2%	2%	3%	2%
None of these	1%	1%	2%	2%	0%	1%	3%	3%	1%

* Option not offered to Stakeholder respondents

Q8. Thinking about the APNIC products, services or initiatives have you used or participated in, how would you rate your experience? Top 3 - % Above average, Good, Excellent
(Only the specific services selected at Q7 presented to each respondent – n=various)

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
APNIC website	95%	94%	97%	90%	90%	97%	97%	96%	94%
MyAPNIC	93%	93%	-	83%	87%	96%	98%	97%	91%
APNIC Academy training	97%	98%	95%	96%	98%	99%	96%	95%	98%
APNIC Whois Database	93%	93%	92%	88%	90%	96%	96%	98%	92%
IP address or AS number resource application	94%	94%	-	91%	91%	94%	95%	93%	94%
APNIC Helpdesk	92%	92%		92%	79%	91%	98%	99%	89%
APNIC Conferences, APRICOT or another online APNIC event	95%	94%	97%	95%	96%	96%	93%	93%	95%
Resource certification (RPKI)	96%	96%	-	91%	92%	96%	99%	100%	94%
APNIC Blog	98%	98%	97%	97%	98%	97%	99%	97%	98%
Routing security (ROA publication)	95%	95%	-	85%	92%	98%	99%	100%	93%
Voting in an APNIC EC election	92%	92%	-	90%	84%	94%	95%	93%	91%
Contacted APNIC with a query	94%	94%	94%	88%	83%	100%	100%	100%	92%
Presentation by APNIC representative	96%	96%	94%	93%	93%	98%	98%	97%	95%
New membership application	86%	86%	-	71%	72%	89%	96%	96%	80%
Meeting with an APNIC representative	96%	95%	98%	100%	92%	93%	98%	95%	96%
IPv4 address transfer (as source or recipient)	90%	90%	-	88%	70%	91%	98%	96%	86%
APNIC reverse DNS service (as address holder)	90%	90%	-	85%	73%	97%	100%	100%	87%
APNIC Labs reports and/or measurement statistics	96%	96%	94%	95%	100%	100%	94%	96%	97%
APNIC Mailing lists (Orbit)	88%	89%	87%	100%	85%	89%	86%	81%	90%
DASH (Dashboard for AS Health)	93%	93%	100%	100%	79%	94%	100%	100%	92%
NetOX (Network Operators' Toolbox)	92%	94%	83%	88%	100%	94%	100%	100%	94%
APNIC Annual Report or Activity Plan	88%	88%	-	87%	80%	100%	95%	93%	88%
APNIC Policy Development Process	86%	82%	95%	90%	82%	100%	78%	93%	84%
PING Podcast**	94%	95%	93%	86%	100%	80%	100%	80%	96%
REx (Resource Explorer)**	94%	93%	100%	100%	100%	100%	100%	100%	100%
Special Interest Groups (SIGs)**	88%	88%	-	71%	83%	100%	100%	100%	84%
APNIC RDAP service**	100%	100%	-	100%	100%	100%	100%	100%	100%

*Option not offered to Stakeholder respondents
** Note: Directional only, Small sample

Q10. Thinking about APNIC overall, how would you rate:

The quality of APNIC services and products	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	257	110	202	260	317	276	613
Very poor	0%	0%	0%	0%	0%	0%	0%	0%	0%
Poor	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below average	0%	0%	0%	1%	0%	0%	0%	0%	0%
Neutral	4%	4%	4%	4%	11%	2%	1%	1%	5%
Above average	4%	3%	5%	5%	4%	3%	3%	1%	4%
Good	37%	37%	35%	36%	32%	44%	33%	43%	34%
Excellent	52%	52%	54%	50%	47%	48%	60%	52%	53%
Don't know	3%	3%	3%	3%	5%	2%	3%	3%	3%

'The quality of APNIC services and products	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	257	110	202	260	317	276	613
Very poor	0%	0%	0%	0%	2%	0%	0%	0%	1%
Poor	0%	1%	0%	0%	1%	0%	1%	1%	0%
Below average	1%	2%	0%	0%	4%	0%	1%	1%	1%
Neutral	5%	4%	5%	5%	10%	3%	2%	3%	5%
Above average	5%	5%	3%	7%	4%	4%	4%	5%	5%
Good	37%	37%	35%	34%	30%	42%	38%	43%	35%
Excellent	47%	46%	52%	48%	39%	48%	50%	45%	48%
Don't know	4%	4%	5%	6%	9%	2%	3%	2%	5%

*Not offered to Stakeholder respondents

Q10. Thinking about APNIC overall, how would you rate:

The value of APNIC membership

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	0	110	202	260	317	276	613
Very poor	1%	1%	-	0%	3%	0%	0%	0%	1%
Poor	1%	1%	-	0%	3%	0%	0%	0%	1%
Below average	2%	2%	-	2%	5%	1%	0%	0%	2%
Neutral	6%	6%	-	6%	12%	5%	3%	4%	7%
Above average	5%	5%	-	6%	5%	5%	5%	6%	5%
Good	34%	34%	-	33%	28%	37%	35%	37%	33%
Excellent	48%	48%	-	46%	36%	49%	56%	50%	47%
Don't know	5%	5%	-	6%	8%	4%	2%	3%	5%

Your experience dealing with APNIC

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	257	110	202	260	317	276	613
Very poor	0%	0%	0%	0%	0%	0%	0%	0%	0%
Poor	1%	1%	0%	2%	1%	0%	1%	1%	1%
Below average	1%	1%	1%	2%	2%	1%	0%	0%	1%
Neutral	4%	4%	5%	6%	8%	2%	1%	2%	5%
Above average	5%	5%	5%	9%	6%	3%	4%	5%	5%
Good	36%	37%	34%	37%	37%	37%	37%	39%	36%
Excellent	49%	49%	51%	39%	42%	53%	53%	49%	49%
Don't know	4%	3%	5%	6%	3%	4%	3%	4%	4%

Q10. Thinking about APNIC overall, how would you rate:

APNIC's responsiveness to Member and community feedback	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	257	110	202	260	317	276	613
Very poor	0%	0%	0%	0%	1%	0%	0%	0%	0%
Poor	0%	0%	0%	0%	0%	0%	0%	0%	0%
Below average	1%	1%	0%	2%	2%	0%	0%	0%	1%
Neutral	5%	6%	5%	5%	10%	4%	4%	4%	6%
Above average	6%	6%	4%	9%	5%	5%	6%	6%	6%
Good	36%	36%	33%	35%	33%	39%	35%	39%	35%
Excellent	44%	43%	47%	43%	31%	47%	48%	44%	43%
Don't know	9%	8%	11%	7%	16%	4%	7%	5%	9%

Q12. Aside from providing Registry Services and resource management, which of these APNIC activities are most valuable to you and the community?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
Building technical knowledge and capacity through APNIC Academy Training	68%	66%	73%	60%	61%	73%	74%	76%	66%
Encouraging Members to share knowledge via APNIC conferences, APNIC Blog and mailing lists	43%	42%	46%	41%	31%	44%	52%	48%	41%
Improving Internet infrastructure (IXPs, Root Servers etc) through deployment support	42%	44%	35%	40%	40%	47%	43%	45%	42%
Working to defend the global Internet registry system	38%	40%	33%	46%	44%	30%	38%	36%	39%
Informing Members of the latest research and industry trends	38%	39%	34%	36%	33%	39%	41%	37%	38%
Supporting NOGs, Peering Forums and the technical community	37%	36%	40%	43%	34%	41%	35%	38%	37%
Providing fellowships and encouraging diversity and the next generation	36%	33%	46%	33%	23%	38%	45%	47%	32%
Supporting CERTs/CSIRTs and the online security community	26%	26%	26%	18%	37%	26%	25%	24%	28%
Advocating for the APNIC community with governments, regulators and industry-related organizations	25%	23%	33%	24%	33%	27%	20%	23%	26%
Representing the technical community at Internet Governance forums	25%	24%	27%	32%	28%	19%	23%	23%	25%
Other	1%	1%	0%	0%	1%	0%	1%	1%	1%
None of these	3%	3%	2%	3%	6%	2%	1%	1%	3%

Q14. How would you describe your engagement in APNIC community activities?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
I am an active participant in the APNIC community	15%	14%	20%	10%	7%	16%	24%	27%	12%
I am aware of the activities, and participate occasionally	40%	40%	40%	40%	36%	44%	41%	39%	41%
I am aware of the activities, but do not participate	24%	27%	15%	25%	34%	20%	19%	17%	26%
I wasn't aware of the activities before now	10%	9%	14%	13%	11%	10%	9%	7%	11%
I do not participate but other people in our organization do	6%	7%	5%	8%	9%	6%	4%	6%	7%
Don't know	3%	3%	5%	4%	3%	3%	3%	4%	3%

Q15. What are the main barriers to you participating more in APNIC community activities?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	993	786	207	136	226	277	295	248	686
Cost and budget factors	49%	48%	53%	39%	38%	53%	63%	67%	44%
I don't have enough time	40%	42%	35%	49%	50%	41%	27%	25%	45%
I don't know much about APNIC community activities	24%	23%	25%	25%	25%	22%	26%	27%	23%
Technical challenges with remote participation	21%	20%	24%	8%	8%	30%	31%	35%	17%
My level of technical knowledge	20%	19%	25%	21%	17%	28%	17%	23%	20%
Language challenges	14%	14%	15%	36%	0%	20%	10%	20%	12%
I don't think I am the right person from my organization to participate	8%	8%	9%	10%	9%	9%	5%	4%	9%
I don't think they are relevant to me	5%	6%	3%	3%	11%	4%	4%	2%	7%
I have no interest in participating	2%	2%	0%	2%	4%	2%	0%	0%	3%
Gender, accessibility / disability or age-related factors	1%	1%	2%	1%	0%	2%	2%	3%	1%
Other	4%	4%	6%	2%	5%	2%	5%	4%	3%

Q18. Thinking about Internet-related services, products or activities, what are the MAIN STRATEGIC challenges facing your organization? Top Rank

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**215**	**192**	**23**	**27**	**47**	**42**	**89**	**86**	**119**
Internet security risks	16%	16%	17%	15%	17%	17%	16%	12%	19%
Cost control of hardware, software, and network investments	15%	15%	17%	22%	6%	19%	16%	19%	13%
Compliance with regulatory requirements	14%	14%	13%	15%	11%	12%	16%	13%	14%
Hiring and/or keeping skilled employees	10%	9%	17%	11%	17%	10%	8%	6%	14%
Costs of Internet security	8%	9%	0%	19%	6%	2%	9%	8%	8%
Introduction of new products and services to improve our business and stay competitive	7%	7%	4%	4%	6%	5%	9%	9%	5%
Policymakers and regulators' understanding of the Internet	7%	7%	4%	7%	6%	12%	4%	8%	6%
Keeping pace with new technologies such as AI	6%	6%	4%	0%	11%	10%	4%	6%	7%
Scaling capacity to meet market demands	5%	4%	17%	0%	4%	5%	6%	5%	4%
Adapting business model to meet market changes	5%	5%	4%	4%	11%	2%	3%	2%	7%
Managing the unintended consequences of government regulations (domestic and international)	2%	2%	0%	4%	2%	2%	1%	2%	2%
Adapting our organization to meet environmental sustainability goals	1%	2%	0%	0%	2%	0%	2%	2%	1%

Q18. Thinking about Internet-related services, products or activities, what are the MAIN OPERATIONAL challenges facing your organization? Top Rank

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
Internet Security	30%	30%	30%	30%	32%	32%	28%	28%	32%
Managing cost of systems, network operations, and security	17%	17%	18%	13%	23%	16%	16%	16%	18%
Skills shortages / lack of suitably qualified technical people	12%	11%	14%	9%	16%	12%	10%	12%	11%
IPv4 scarcity	9%	10%	7%	15%	5%	8%	11%	10%	9%
Deployment of IPv6 in our network	6%	6%	7%	3%	6%	6%	9%	8%	6%
Automation of network and systems operations	6%	6%	7%	6%	5%	6%	7%	4%	7%
Management of Internet traffic, transit and peering, and network capacity	6%	6%	5%	11%	2%	8%	5%	5%	6%
Keeping pace with new technologies such as AI	4%	5%	4%	7%	3%	5%	4%	5%	5%
General operational challenges, e.g. understanding best practice or business planning	4%	4%	3%	4%	5%	4%	3%	4%	3%
Managing the impact of new Internet technologies on existing infrastructure	3%	3%	4%	2%	3%	2%	5%	6%	2%

Q21. Thinking about Internet security, what are the main challenges your organization is facing?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
Phishing, spam, malware, ransomware	42%	42%	42%	37%	51%	42%	39%	40%	43%
DDoS attacks	36%	40%	21%	44%	15%	40%	44%	49%	31%
Staff lack awareness of security issues	28%	26%	34%	25%	28%	26%	31%	33%	26%
Lack of expertise in implementing enterprise-wide security programs	20%	18%	24%	21%	18%	24%	18%	20%	20%
Intrusion and other breaches	17%	18%	16%	17%	21%	14%	17%	13%	19%
Blacklisting of our IP addresses	16%	18%	10%	15%	8%	13%	26%	21%	15%
Compliance with security/industry standards and frameworks (e.g., ISO, NIST, PCI, SOC2 etc.)	15%	15%	18%	13%	25%	14%	11%	10%	17%
Routing security / BGP hijacks	15%	16%	12%	14%	8%	21%	14%	17%	14%
Compliance with national security regulations/requirements	14%	16%	11%	15%	20%	14%	12%	13%	15%
Lack of clear directives/policies from relevant government authorities	13%	13%	14%	12%	14%	12%	16%	18%	12%
Handling abuse and incident reports	13%	12%	17%	16%	9%	17%	10%	10%	14%
Inadequate security policies	13%	12%	16%	13%	15%	11%	12%	13%	12%
Lack of security for IoT devices/applications	11%	10%	14%	11%	10%	10%	13%	11%	11%
Lack of clear directives/policies from management	11%	10%	16%	15%	12%	8%	12%	11%	11%
Other	4%	3%	4%	2%	7%	2%	3%	1%	5%

Q22. How could APNIC assist with these Internet security challenges?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**1,173**	**916**	**257**	**151**	**243**	**331**	**388**	**338**	**775**
Increase security-focused training courses	30%	31%	25%	25%	21%	30%	39%	38%	27%
Collaboration with other Internet security organizations to share information and best practice	25%	24%	27%	27%	22%	28%	22%	24%	25%
Engagement with governments in the region about the issues of cybersecurity	18%	17%	20%	17%	16%	18%	20%	20%	18%
Maintain a security threat intelligence sharing service	16%	17%	13%	23%	20%	13%	14%	12%	18%
Enhance security content in APNIC conferences	16%	15%	18%	17%	12%	14%	20%	22%	13%
Provide a general security advice service	13%	13%	11%	13%	11%	14%	13%	14%	12%
Briefings/security training for senior management	12%	13%	12%	11%	12%	13%	13%	13%	13%
Encourage CERT development and information sharing between CERTs and the APNIC community	12%	12%	14%	12%	12%	13%	13%	12%	13%
Sharing of security insights on the APNIC Blog	12%	12%	10%	9%	10%	17%	9%	11%	12%
Sharing of security-related information on a dedicated Internet security website	11%	12%	10%	12%	10%	12%	11%	12%	11%
APNIC is already doing all it can to assist with these challenges	9%	8%	11%	9%	10%	8%	6%	6%	9%
Other	1%	1%	1%	1%	3%	0%	1%	0%	1%
None of these	4%	4%	3%	1%	12%	2%	1%	0%	5%

Q24. Thinking about the availability of IPv4 addresses, what action has your organization taken to overcome IPv4 scarcity?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	916	916	0	110	202	260	317	276	613
Deployed NAT	45%	45%		40%	33%	50%	50%	49%	43%
Implemented a network plan that uses our IPv4 more efficiently	42%	42%		37%	32%	45%	46%	47%	39%
Deployed IPv6	40%	40%		42%	24%	45%	46%	43%	39%
It is not an issue for my organization – we have enough IPv4	15%	15%		10%	33%	10%	10%	10%	18%
Purchased IPv4 addresses on the transfer market	15%	15%		17%	6%	20%	16%	21%	13%
Leased IPv4 addresses	15%	15%		27%	6%	16%	16%	18%	14%
Received our final delegation from the APNIC IPv4 address pool	11%	11%		16%	7%	12%	10%	12%	10%
Other (Please specify)	2%	2%		1%	3%	1%	2%	1%	2%
Don't know	7%	7%		5%	10%	5%	8%	7%	7%

Q25. You indicated that your organization leased IPv4 addresses. Approximately, how much do you spend on leased IPv4 addresses per year?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	137	137	0	30	12	41	52	49	86
Less than USD 5,000 per year	43%	43%		37%	42%	39%	52%	45%	43%
USD 5,000 to 9,999 per year	15%	15%		10%	17%	20%	15%	20%	13%
USD 10,000 to 49,999 per year	11%	11%		27%	8%	12%	2%	4%	15%
USD 50,000 to 99,999 per year	1%	1%		3%	0%	2%	0%	0%	2%
USD 100,000 to 249,000	1%	1%		3%	0%	0%	2%	0%	2%
More than USD 250,000	4%	4%		10%	8%	0%	0%	0%	5%
Don't know	24%	24%		10%	25%	27%	29%	31%	20%

*Not offered to Stakeholder respondents

Q26. How would you rate your level of concern about the IPv4 addresses that your organization leases?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
The ongoing cost of the leased addresses									
Not Concerned	13%	13%		7%	25%	17%	12%	14%	13%
Slightly Concerned	11%	11%		17%	17%	15%	4%	8%	13%
Moderately Concerned	29%	29%		20%	50%	34%	27%	27%	31%
Extremely Concerned	39%	39%		53%	0%	32%	46%	41%	38%
I hadn't thought about it before now	7%	7%		3%	8%	2%	12%	10%	5%

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Routing issues caused by IP address reputation issues									
Not Concerned	12%	12%		7%	17%	15%	10%	12%	10%
Slightly Concerned	20%	20%		33%	17%	24%	12%	18%	22%
Moderately Concerned	26%	26%		23%	25%	27%	27%	29%	24%
Extremely Concerned	37%	37%		33%	33%	32%	44%	35%	38%
I hadn't thought about it before now	5%	5%		3%	8%	2%	8%	6%	5%

*Not offered to Stakeholder respondents   19

Q26. How would you rate your level of concern about the IPv4 addresses that your organization leases?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
The company leasing us the address space may sell it									
Not Concerned	18%	18%		10%	42%	22%	15%	18%	19%
Slightly Concerned	17%	17%		20%	8%	22%	13%	14%	19%
Moderately Concerned	26%	26%		30%	33%	29%	21%	29%	26%
Extremely Concerned	28%	28%		23%	8%	22%	40%	29%	28%
I hadn't thought about it before now	10%	10%		17%	8%	5%	10%	10%	9%

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Our organization needs the addresses longer than the lease term									
Not Concerned	12%	12%		7%	33%	12%	12%	14%	12%
Slightly Concerned	12%	12%		10%	25%	12%	10%	10%	13%
Moderately Concerned	29%	29%		30%	25%	39%	23%	29%	30%
Extremely Concerned	38%	38%		43%	17%	29%	46%	39%	37%
I hadn't thought about it before now	9%	9%		10%	0%	7%	10%	8%	8%

Q27. Has your organization deployed IPv6 in its network?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	916	916	0	110	202	260	317	276	613
Yes	52%	52%		64%	37%	56%	54%	50%	53%
No	41%	41%		29%	55%	37%	41%	44%	40%
Don't know	7%	7%		7%	8%	8%	5%	6%	7%

Q28. What were the MAIN reasons your organization decided to deploy IPv6?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	480	480	0	70	75	145	173	139	324
We believed IPv6 would benefit our operations	53%	53%		49%	52%	61%	50%	56%	52%
We wanted to take advantage of the technological capabilities of IPv6;	40%	40%		30%	27%	40%	50%	42%	39%
We wanted to test the deployment of it and gain experience	32%	32%		33%	41%	31%	28%	30%	33%
IPv6 provides us with a competitive advantage	32%	32%		33%	21%	31%	38%	38%	30%
IPv6 was required by customers and/or partners	31%	31%		30%	40%	30%	28%	22%	35%
We had no more IPv4 available	20%	20%		33%	9%	16%	25%	29%	18%
IPv4 is too expensive	13%	13%		21%	9%	14%	12%	12%	14%
It was a regulatory obligation	12%	12%		19%	0%	12%	14%	12%	12%
Other	3%	3%		3%	4%	2%	3%	3%	3%
Don't know	1%	1%		1%	3%	0%	2%	1%	1%

*Not offered to Stakeholder respondents

Q29. What are the MAIN reasons your organization has not deployed IPv6?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**378**	**378**	**0**	**32**	**111**	**95**	**132**	**122**	**248**
Don't see the business need / no requirement for IPv6 now	39%	39%		47%	55%	33%	30%	33%	43%
Lack of knowledge or expertise in the organization	37%	37%		28%	30%	39%	43%	46%	32%
Lack of available configuration management tools for IPv6	26%	26%		19%	7%	36%	34%	34%	21%
Have not had time for this yet	22%	22%		19%	32%	22%	15%	19%	24%
Our infrastructure doesn't support it	16%	16%		22%	8%	25%	13%	14%	16%
Our service providers don't support IPv6	16%	16%		22%	8%	16%	20%	25%	11%
Could not convince non-technical business decision makers of the need	13%	13%		16%	10%	13%	15%	13%	13%
Cannot afford the expense	11%	11%		6%	10%	8%	17%	15%	10%
I don't think IPv6 will achieve full take-up from operators	9%	9%		16%	8%	8%	8%	6%	10%
Legal or regulatory constraints	4%	4%		0%	4%	5%	5%	7%	3%
Other	4%	4%		3%	7%	2%	4%	2%	5%
Don't know	4%	4%		3%	3%	6%	4%	4%	4%

*Not offered to Stakeholder respondents

Q30. How can APNIC assist to encourage IPv6 adoption in the region?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**916**	**916**	**0**	**110**	**202**	**260**	**317**	**276**	**613**
Provide basic and advanced training on IPv6	44%	44%		36%	39%	47%	47%	49%	42%
Provide technical assistance on IPv6 deployment	39%	39%		36%	35%	40%	44%	46%	37%
Share deployment case studies and best current practices about IPv6	30%	30%		38%	24%	35%	27%	24%	33%
Facilitate knowledge sharing between Member organizations on IPv6 deployment experiences	23%	23%		25%	20%	23%	25%	27%	22%
Provide assistance / training to build a business case to management for IPv6 deployment	23%	23%		20%	20%	25%	25%	26%	22%
Promote IPv6 to government and related organizations	22%	22%		24%	17%	26%	22%	24%	22%
Promote IPv6 to hardware, software and/or content providers	22%	22%		25%	14%	18%	28%	29%	19%
Promote IPv6 to management and/or decision makers	20%	20%		16%	18%	20%	24%	21%	20%
Promote IPv6 to customers (business and retail)	19%	19%		19%	17%	18%	20%	22%	18%
Other	3%	3%		2%	8%	2%	2%	1%	4%
None of these	5%	5%		7%	12%	4%	2%	2%	7%

*Not offered to Stakeholder respondents

Q31. Has your organization implemented RPKI?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	0	110	202	260	317	276	613
Yes	32%	32%		38%	18%	32%	39%	42%	27%
Yes, publishing ROAs but have not deployed ROV	12%	12%		9%	12%	10%	13%	12%	12%
Yes, deployed ROV, but not publishing ROAs	3%	3%		3%	4%	3%	2%	3%	3%
No	23%	23%		25%	35%	22%	17%	16%	27%
I don't know	29%	29%		25%	31%	33%	28%	27%	31%

Q32. Can you please tell us the MAIN reason you have not published ROAs for your BGP routes?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	241	241	0	31	78	66	61	51	185
I don't know much about routing security and RPKI	34%	34%		32%	31%	35%	34%	37%	32%
I don't understand the benefits of publishing ROAs	17%	17%		16%	14%	15%	26%	16%	18%
I don't know how to publish ROAs	13%	13%		16%	8%	15%	18%	24%	11%
Our organization doesn't see the value in it	10%	10%		13%	13%	11%	5%	4%	12%
Publishing ROAs may impact my routes and their reachability	10%	10%		10%	4%	17%	10%	16%	8%
Other	15%	15%		13%	31%	8%	7%	4%	19%

Q33. Can you please tell us the MAIN reason you have not enabled ROV?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	322	322	0	38	95	84	97	77	237
I don't know what it is and how to enable it	31%	31%		21%	24%	32%	39%	42%	27%
Only receiving default route from upstream provider	18%	18%		13%	33%	14%	11%	16%	20%
I worry that it will start dropping invalids immediately, and it might affect my routing	13%	13%		26%	1%	19%	13%	14%	12%
I don't understand the benefits of ROV	12%	12%		8%	9%	11%	19%	12%	13%
Our organization doesn't see the value in it	9%	9%		18%	8%	11%	4%	4%	11%
I find it difficult to install and operate validators	7%	7%		8%	4%	7%	8%	9%	6%
Other	10%	10%		5%	20%	6%	5%	4%	12%

*Not offered to Stakeholder respondents

Q34. Thinking about your organization and business focus over the next two years, do you expect to:

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	1173	916	257	151	243	331	388	338	775
Invest in current business activities	22%	24%	17%	16%	23%	23%	25%	24%	22%
Invest in new business opportunities	19%	19%	21%	19%	21%	17%	21%	19%	20%
Neither	13%	13%	10%	11%	10%	14%	13%	13%	12%
Don't know / Unsure	51%	49%	57%	58%	54%	49%	46%	47%	52%

Q35. How confident are you about your overall business performance in the next two years?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	1173	916	257	151	243	331	388	338	775
Very confident	38%	41%	31%	27%	40%	32%	47%	38%	38%
Somewhat confident	40%	41%	37%	42%	40%	48%	33%	38%	41%
Low confidence	8%	8%	11%	15%	7%	7%	8%	10%	8%
Not at all confident	2%	2%	3%	5%	1%	2%	2%	2%	2%
Don't know	11%	9%	18%	11%	11%	11%	11%	12%	11%

Q37. What is your primary consideration when choosing technical training?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
Relevance of the course content	33%	34%	30%	32%	50%	30%	24%	18%	39%
Cost of the training	26%	26%	23%	21%	16%	30%	29%	30%	24%
Training that provides a recognised certification / qualification	25%	24%	29%	30%	20%	25%	28%	30%	24%
Format of the training (online, in-person, hybrid)	8%	9%	7%	11%	6%	8%	9%	11%	7%
Reputation / Recommendation from colleagues or industry leaders	5%	4%	7%	6%	5%	4%	4%	5%	4%
Length of the training course	3%	3%	4%	1%	2%	2%	5%	5%	2%

Q38. If you had a choice, which of the following technical training would you prefer to undertake?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
Training leading to an industry-recognised certification / qualification	53%	53%	55%	61%	45%	59%	52%	48%	56%
Technology vendor training	16%	17%	13%	17%	12%	15%	19%	22%	14%
Non-formal training (e.g., unstructured online training materials)	11%	11%	9%	8%	16%	11%	7%	8%	11%
University accredited education/training	9%	8%	13%	7%	14%	7%	8%	10%	9%
Government-approved/registered training	7%	7%	7%	6%	4%	5%	11%	9%	7%
Other (Please specify)	1%	1%	2%	1%	4%	1%	0%	0%	2%
None of these	2%	3%	2%	0%	5%	2%	2%	3%	2%

Q39. If APNIC Academy training was delivered in your economy by other organizations, which of the following do you think would provide the best quality technical training?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
Regional or global Internet organizations (ICANN/ISOC, etc)	50%	50%	49%	52%	37%	53%	55%	54%	49%
Independent local training companies / organizations	39%	39%	43%	26%	42%	44%	39%	43%	38%
Universities or other educational institutions	34%	31%	43%	28%	35%	36%	33%	34%	34%
Local NOG	32%	31%	37%	40%	30%	35%	29%	33%	32%
Local technology reseller	20%	21%	18%	25%	16%	21%	19%	20%	20%
Government agencies	16%	16%	20%	11%	11%	23%	18%	22%	15%
My employer	12%	12%	14%	5%	12%	14%	14%	15%	11%
Other	2%	2%	2%	1%	2%	1%	3%	2%	2%
Don't know	7%	7%	5%	5%	13%	5%	5%	5%	7%

Q41. Thinking about APNIC, please indicate how much you AGREE with the following:

APNIC is sufficiently open and transparent in its activities

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	0	110	202	260	317	276	613
Strongly disagree	1%	1%		1%	3%	0%	2%	2%	1%
Disagree	1%	1%		1%	1%	0%	1%	1%	1%
Slightly disagree	2%	2%		1%	2%	1%	3%	2%	2%
Neither agree nor disagree	8%	8%		13%	12%	7%	4%	4%	9%
Slightly agree	10%	10%		15%	8%	11%	9%	8%	11%
Agree	55%	55%		53%	52%	58%	56%	58%	54%
Strongly agree	23%	23%		17%	21%	23%	26%	25%	22%

APNIC is responsive to the changing needs of its community

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	0	110	202	260	317	276	613
Strongly disagree	1%	1%		1%	2%	0%	2%	1%	1%
Disagree	1%	1%		0%	2%	0%	0%	0%	1%
Slightly disagree	1%	1%		2%	1%	2%	1%	1%	1%
Neither agree nor disagree	9%	9%		15%	16%	5%	7%	5%	11%
Slightly agree	13%	13%		15%	14%	12%	12%	13%	13%
Agree	53%	53%		52%	46%	58%	54%	56%	52%
Strongly agree	22%	22%		15%	18%	23%	25%	23%	21%

Q41. Thinking about APNIC, please indicate how much you AGREE with the following:

APNIC is respected in the Internet community	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	0	110	202	260	317	276	613
Strongly disagree	1%	1%		0%	2%	0%	2%	2%	1%
Disagree	0%	0%		0%	1%	0%	0%	0%	0%
Slightly disagree	1%	1%		2%	2%	1%	0%	0%	1%
Neither agree nor disagree	4%	4%		9%	7%	3%	1%	1%	5%
Slightly agree	6%	6%		9%	7%	8%	4%	6%	7%
Agree	48%	48%		55%	48%	50%	44%	48%	48%
Strongly agree	39%	39%		25%	34%	37%	49%	42%	37%

Q44. The APNIC EC has maintained a target for APNIC's capital reserve which is equal to 18 months of operating expenses, to ensure stability and safeguard against unforeseen circumstances. In your opinion, how many months of operating expenses should APNIC hold in reserve?

	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	0	110	202	260	317	276	613
12 months	12%	12%		9%	7%	13%	15%	15%	11%
18 months	29%	29%		39%	28%	30%	24%	21%	32%
24 months	33%	33%		23%	26%	36%	38%	42%	29%
Other	2%	2%		3%	4%	2%	1%	1%	2%
Don't know	25%	25%		26%	34%	19%	21%	21%	25%

*Not offered to Stakeholder respondents   29

Q42. Thinking about these changes, please indicate how much you AGREE with the following:

I am satisfied with APNIC's new governance structure	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	0	110	202	260	317	276	613
Strongly disagree	1%	1%		0%	2%	0%	2%	1%	1%
Disagree	1%	1%		0%	1%	0%	1%	1%	1%
Slightly disagree	1%	1%		2%	1%	1%	2%	1%	1%
Neither agree nor disagree	12%	12%		19%	21%	10%	7%	8%	15%
Slightly agree	6%	6%		8%	5%	7%	6%	7%	6%
Agree	40%	40%		32%	30%	46%	45%	51%	36%
Strongly agree	21%	21%		17%	16%	26%	21%	19%	22%
Don't know	17%	17%		22%	24%	10%	16%	12%	19%

The APNIC EC election process was improved by the 2023 By-law reforms	Total	Members	Stakeholders*	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample	916	916	0	110	202	260	317	276	613
Strongly disagree	0%	0%		0%	1%	0%	1%	0%	0%
Disagree	1%	1%		0%	1%	1%	1%	1%	1%
Slightly disagree	1%	1%		2%	1%	1%	1%	1%	1%
Neither agree nor disagree	13%	13%		22%	22%	10%	8%	8%	16%
Slightly agree	5%	5%		4%	4%	8%	3%	5%	5%
Agree	37%	37%		30%	24%	42%	44%	50%	31%
Strongly agree	22%	22%		16%	18%	25%	24%	20%	23%
Don't know	21%	21%		26%	29%	15%	19%	15%	23%

*Not offered to Stakeholder respondents

Q45. Which of these phrases best describes the way you speak about APNIC to others?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	1,173	916	257	151	243	331	388	338	775
I am critical of APNIC without being asked	3%	3%	2%	1%	2%	3%	4%	5%	2%
I tend to be critical of APNIC if I am asked	5%	5%	4%	4%	5%	5%	5%	5%	5%
I am neutral	30%	30%	29%	32%	33%	38%	20%	25%	33%
I speak well about APNIC if I am asked	44%	45%	41%	42%	41%	40%	49%	48%	42%
I speak highly of APNIC without being asked	19%	17%	25%	21%	20%	13%	21%	17%	19%

Q48. What is your gender?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**1,173**	**916**	**257**	**151**	**243**	**331**	**388**	**338**	**775**
Male	82%	85%	72%	74%	83%	75%	91%	87%	80%
Female	13%	11%	21%	18%	12%	21%	7%	12%	15%
Non-binary	1%	0%	2%	1%	0%	1%	1%	0%	1%
Use a different term	0%	0%	0%	1%	0%	0%	0%	0%	0%
Prefer not to say	3%	3%	4%	6%	4%	4%	1%	1%	4%
Other	0%	0%	0%	0%	0%	0%	0%	0%	0%

Q49. What is your age?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**1,173**	**916**	**257**	**151**	**243**	**331**	**388**	**338**	**775**
18 – 24	6%	6%	8%	12%	2%	6%	7%	5%	7%
25 – 34	24%	23%	28%	18%	16%	26%	31%	36%	20%
35 – 44	34%	35%	32%	33%	28%	35%	41%	43%	32%
45 – 54	22%	22%	19%	20%	25%	25%	15%	12%	25%
Over 54	10%	11%	9%	10%	23%	6%	4%	2%	13%
Prefer not to say	3%	3%	4%	7%	5%	3%	1%	1%	4%

Q50. Do you have a disability that impedes your engagement or participation in APNIC activities?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**1,173**	**916**	**257**	**151**	**243**	**331**	**388**	**338**	**775**
Yes	2%	2%	2%	0%	1%	2%	2%	3%	1%
No	93%	93%	94%	94%	95%	90%	94%	90%	95%
Prefer not to say	6%	6%	4%	6%	4%	8%	4%	7%	5%

Q52. How well can you speak, read, and write English?

	Total	Members	Stakeholders	East Asia	Oceania	SE Asia	South Asia	LDEs	Other
Sample Size	**1,173**	**916**	**257**	**151**	**243**	**331**	**388**	**338**	**775**
I am fluent in English	46%	45%	50%	17%	88%	26%	43%	28%	51%
I can understand most English and have English conversations comfortably	30%	31%	24%	27%	10%	39%	38%	38%	27%
I can understand some English and have basic English conversations	20%	19%	22%	43%	1%	28%	18%	29%	17%
I understand little English and need assistance	5%	5%	4%	13%	0%	7%	2%	5%	5%