



Uniqueness among NIRs (in APNIC Region)



Table of Content

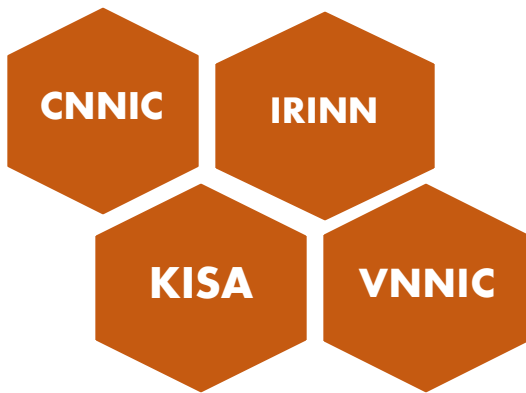
- NIRs
- Organizational Structure
- Services provided (apart from NIR)
- Fee policy, WHOIS, ROA and RPKI service
- IP delegation summary
- Mean Internet Speed

National Internet Registry (NIR) under APNIC region

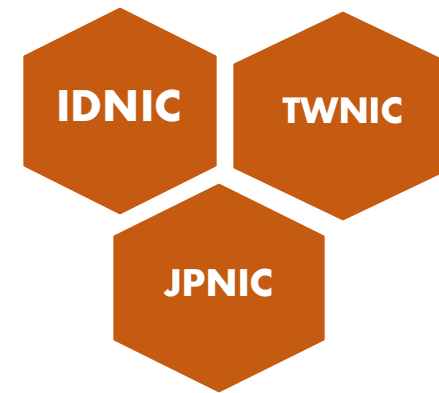
- CNNIC: China Internet Network Information Center
- IDNIC: Indonesia Network Information Centre
- IRINN: Indian Registry for Internet Name and Numbers
- JPNIC: Japan Network Information Center
- KISA: Korea Internet & Security Agency
- TWNIC: Taiwan Network Information Center
- VNNIC: Vietnam Internet Network Information Center

Organization Structure: Governmental OR Non-Governmental

Governmental



Non-Governmental



Other Roles and services provided by NIR

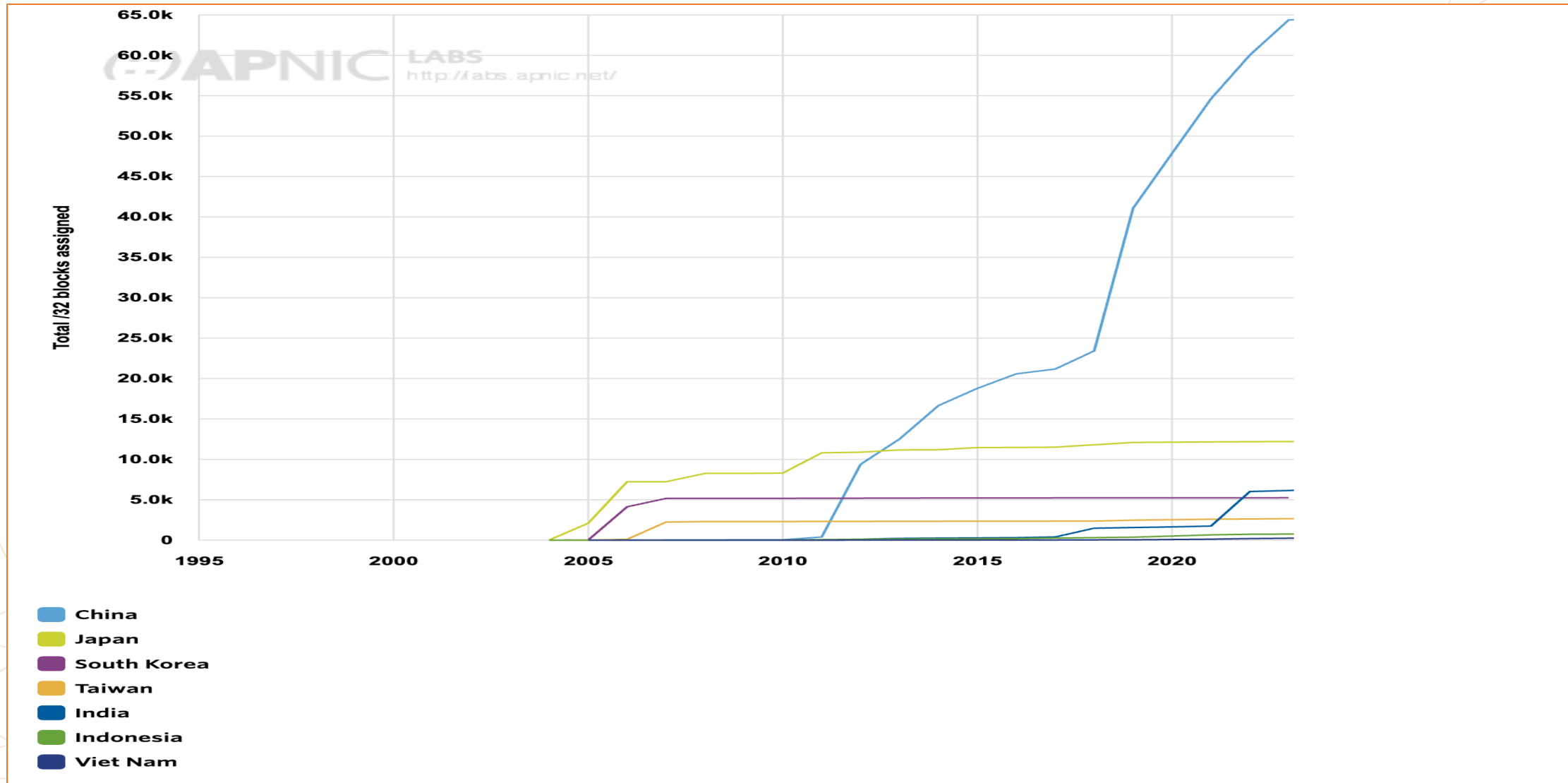
CNNIC	<ul style="list-style-type: none">➤ .CN ccTLD Manager
IDNIC	<ul style="list-style-type: none">➤ .ID ccTLD Manager➤ Indonesia Internet Exchange (IIX)
IRINN	<ul style="list-style-type: none">➤ .IN ccTLD Manager➤ NIXI (National Internet Exchange of India)➤ Indian Public DNS (1.10.10.10 ; 2409::1)
JPNIC	<ul style="list-style-type: none">➤ Certifying Authority
KISA	<ul style="list-style-type: none">➤ .KR ccTLD Manager➤ Runs the Korea Computer Emergency Response Team Coordination Center, a.k.a. KrCERT/CC
TWNIC	<ul style="list-style-type: none">➤ .TW ccTLD Manager
VNNIC	<ul style="list-style-type: none">➤ .VN ccTLD Manager➤ VNIX (Vietnam National Internet eXchange)

Fee Policy, WHOIS, ROA and RPKI services

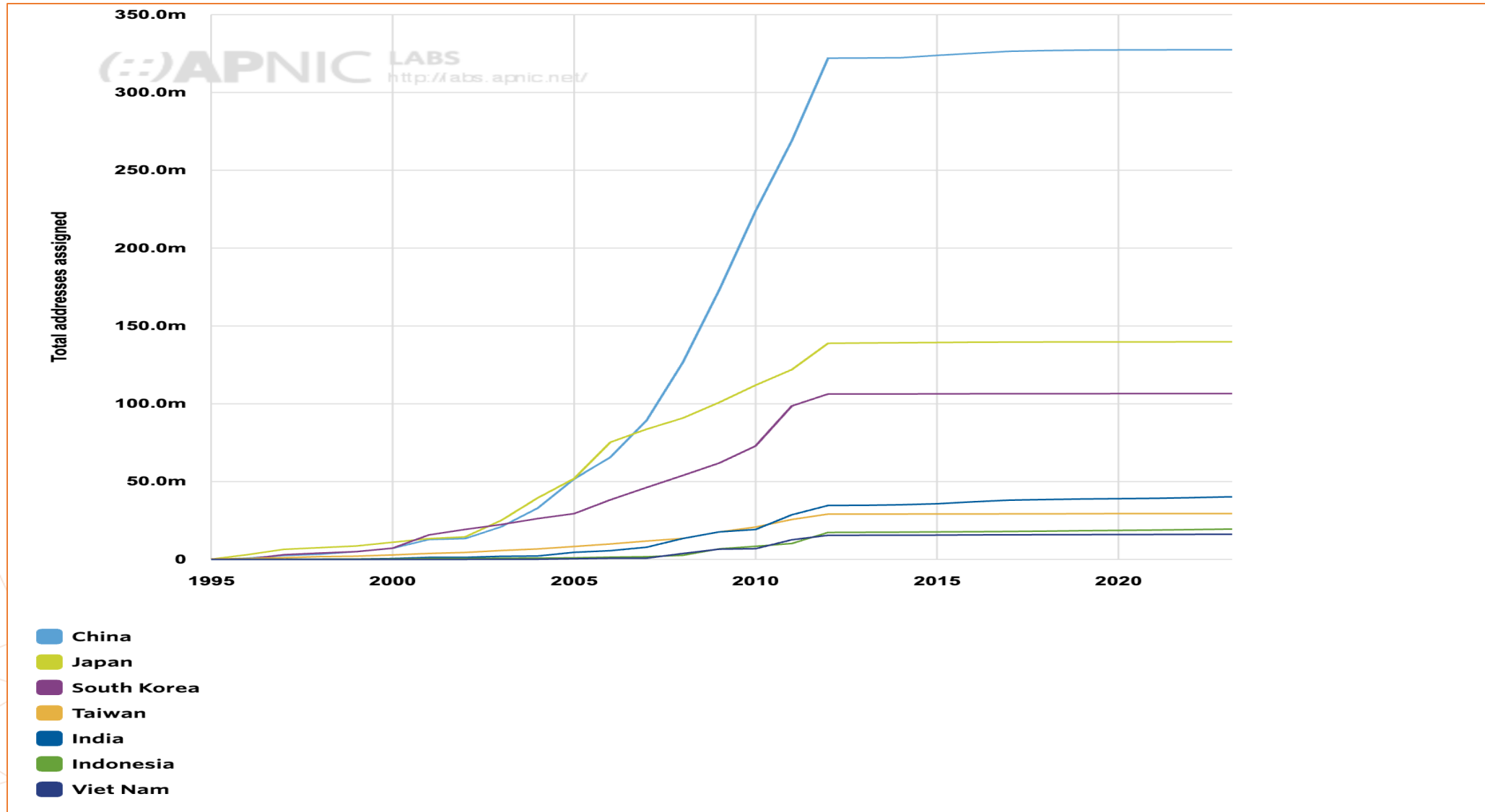
	Signup Fee	Min IPv4 allocation	Min IPv6 allocation	Charges	WHOIS Service	ROA and RPKI Service	
APNIC*	AUD 500 ~USD 344	/24	/48	AUD 1180 ~ USD 820	YES	YES	Fee calc Fee policy
CNNIC	RMB 10,000 ~ USD 1450	/24	/32	V4 - RMB7000 ; \$1000 V6 - RMB10,000; \$1450			Fee policy
IDNIC	Rp 5 Million ~USD 330	/24	/48	Rp 8 Million ~USD 540			Fee calc
IRINN	INR 25,000 ~ USD 300	/24	/48	INR 25,000 ~ USD 300	NO	NO	Fee calc Policy
JPNIC	YEN 2,75,000 ~ USD 2000	/24	/48	YEN 55000 ~ USD 400	YES	YES	policy Fee Policy
KISA							
TWNIC	NT\$1500 ~USD 50			NT\$25000 (up to /20) ~USD 820			Fee policy
VNNIC	0	/24	/48	USD 450	YES	YES	Fee calc

* For base comparison

IPv6 address delegations (in number of /32 blocks)

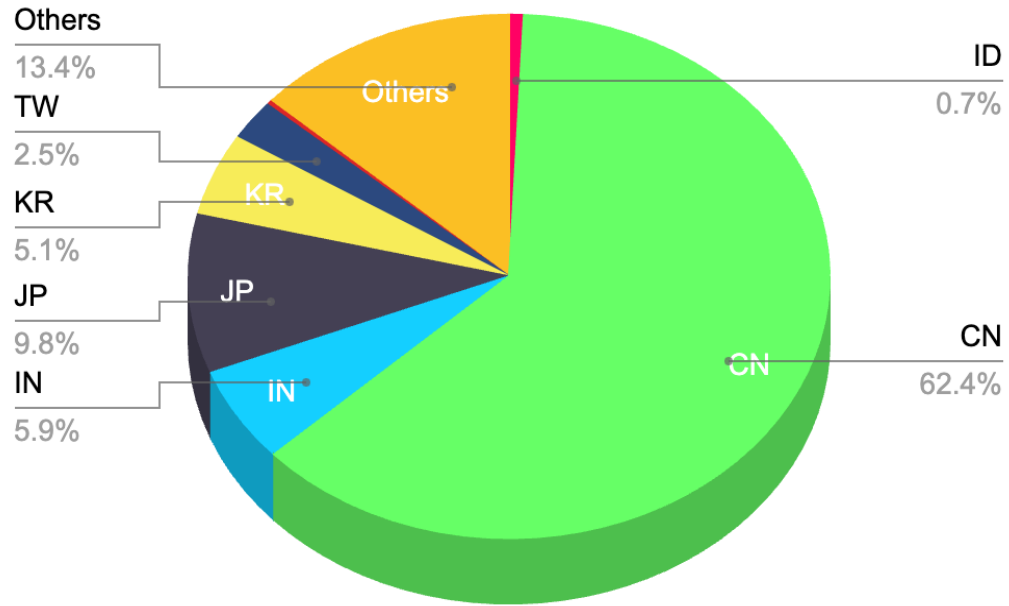


IPv4 address delegations

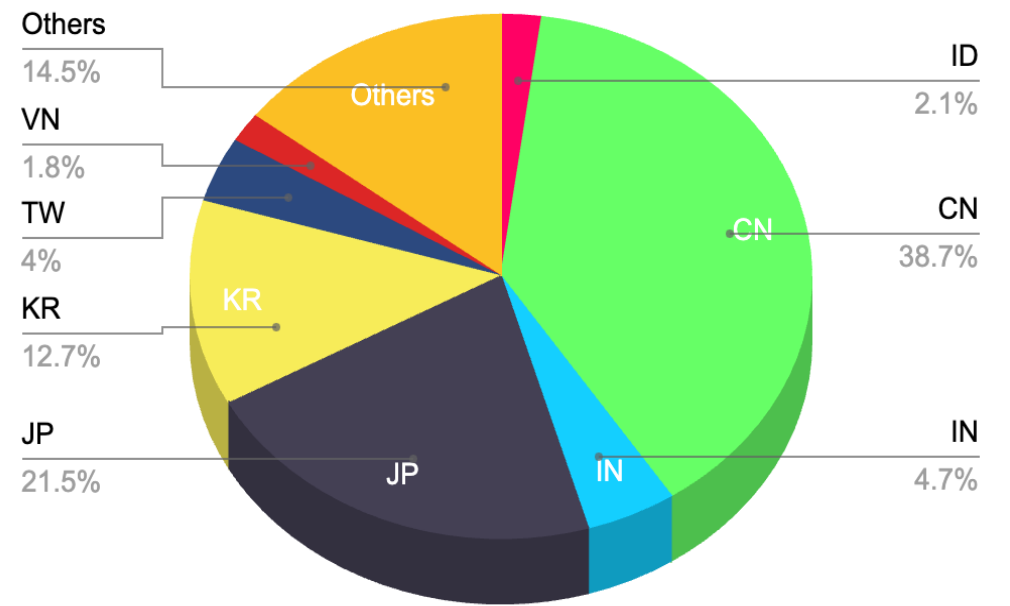


IP address delegations (side by side pie chart of IPv6 and IPv4)

IPv6 delegations



IPv4 delegations



IP address delegation summary

IPv6 –

ID has one /23,one /25,one /26,one /27,one /28,one /30,one /31,one /38,one /42,one /43,one /44,one /45,one /48 block
CN has one /17,one /18 ,one /19,one /20,one /21,one /23,one /24,one /26,one /30,one /42 ,one /44,one /45,one /46 block
IN has one /20,one /22,one /23,one /24,one /25 ,one /26,one /30,one /31,one /38,one /42,one /43,one /47 block
JP has one /19,one /22,one /23,one /24,one /26,one /27,one /28,one /29,one /30,one /31,one /35,one /41,one /42,
one /45,one /46,one /47,one /48 block
KR has one /20 , one /22 , one /25 , one /28 , one /31 , one /45 , one /47 , one /48 block
TW has one /21 , one /23 , one /29 , one /30 , one /32 , one /45 , one /46 , one /47 , one /48 block
VN has one /25 ,one /26 ,one /27 ,one /28 ,one /29 ,one /30 ,one /31 ,one /32,one /41 , one /42 , one /43 , one /47 block

IPv4 –

ID has 18,753,792
CN has 343,196,160
IN has 41,728,512
JP has 190,531,072
KR has 112,482,816
TW has 35,692,544
VN has 16,217,088

IPv6 deployment status



Mean Internet Speed (as of Dec 2022)*

NIRs	Mobile			Fixed Broadband		
	Speed (Mbps)	World Rank	Ranking in APNIC region	Speed (Mbps)	World Rank	Ranking in APNIC region
APJII	26 Mbps	112	7	43 Mbps	113	7
CNNIC	189 Mbps	8	2	280 Mbps	5	1
IRINN	109 Mbps	34	4	78 Mbps	81	6
JPNIC	80 Mbps	48	5	252 Mbps	13	2
KISA	247 Mbps	4	1	176 Mbps	33	4
TWNIC	131 Mbps	20	3	194 Mbps	26	3
VNNIC	56 Mbps	67	6	112 Mbps	61	5

*<https://www.speedtest.net/global-index>

Thank You