

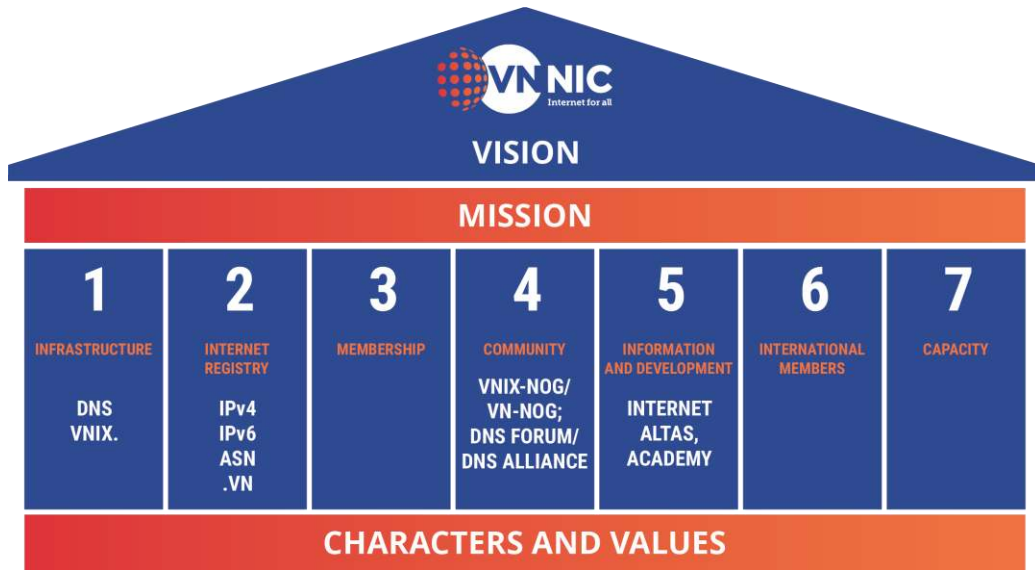


MINISTRY OF INFORMATION AND COMMUNICATIONS
VIETNAM INTERNET NETWORK INFORMATION CENTER

VNNIC Update

APNIC 59 | APNIC NIR SIG | Feb 2025

VNNIC – VISION AND MISSION IN THE NEW ERA



NIC/ NATIONAL INTERNET REGISTRY



NIC (National Internet Information Center)

VISION "INTERNET FOR ALL"

- Internet is the inclusive, secure, sustainable and intelligent.
- Internet will be bigger, faster, safer and flatter

Provide critical Internet infrastructure and Internet resources in line with next generation Internet

01



02

Provide reliable information and knowledge on Internet, Internet resources to Viet Nam community, promote safe and sustainable Internet development



VNNIC – VISION AND MISSION IN THE NEW ERA



VNNIC’s services and products to pursuit the vision of “Internet for all” and meet the requirements of intelligent era

INTERNET CAPACITY BUILDING – CONFERENCES, EVENTS BUILDING TECHNICAL COMMUNITY

1. CONFERENCES SPECILISED IN INTERNET AND EMERGING TECHNOLOGY

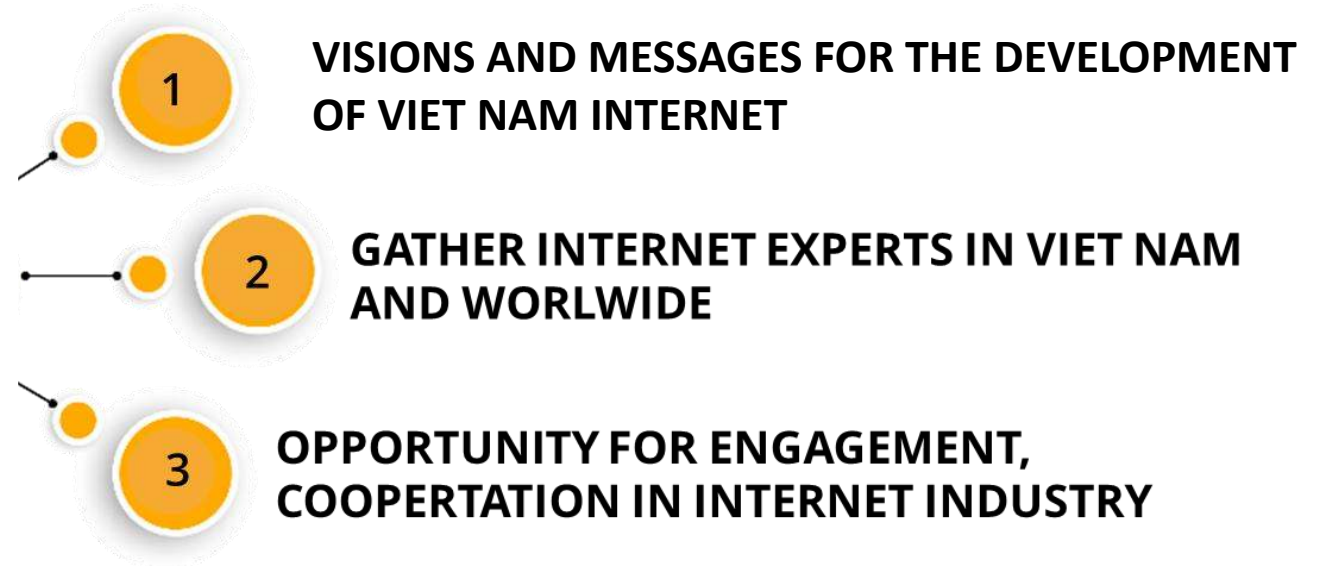
- VNNIC INTERNET CONFERENCE
- VNIX-NOG CONFERENCE

2. TRAINNING WORKSHOP, WEBINAR

- IPv6, DNS, Network, Routing Security, Internet Governance,...

3. HOSTING INTERNATIONAL EVENTS

- DNS-OARC, ICANN DNS SYMPOSIUM, APNIC MEETING, APTLD,...



BIG CONFERENCES IN 2024



Topic 2024: Secure and sustainable Internet infrastructure in the development of emerging technologies.
 Develop a "bigger, faster, safer, flatter" Internet

- Time: June
- ~ 500 people
- Attendees: Deputy Minister, CEO/Leader, technical manager .. (Since 2020)



Key points: Peering, AI, Automation, IPv6 only, ...

- Time: October

→ - 150 people
 - Attendees: network operators and engineers (Since 2016)

VNIx-NOG 2024: October 17 -18, 2024 – Hue City



VNNIC INTERNET ACADEMY AND WORKSHOP



**FREE LEARNING PLATFORM
VNNIC INTERNET ACADEMY**

(<https://academy.vnnic.vn>)

Provide free workshops, webinars, etc., on basic and advanced knowledge on Internet to local community.

FOR YOUTH (collab with Universities)

- 2 fellowship programs
- 17 workshops/seminars (‘.vn’, Internet, IPASN and IPv6) ~ 2.200 people

FOR ENGINEER (authorities, government agencies/ ISP, Mobile, enterprises)

- 9 Workshops/ webinars (IPv6, IPv6 security, Routing security, RPKI) ~ 500 people



IPV6 DEPLOYMENT IN VIETNAM

Plan in 2024

- 25/3/2024, the Ministry issued Decision No. 377/QD-BTTTT approving the "Vietnam IPv6 Transition Plan, IPv6 for the Government in 2024".
- Target: 65%

Policy

- 2024: The Decision No. 36/QD-TTg of The Prime Minister of Government dated January 11, 2024 on approving the information and communications infrastructure master plan for the period of 2021-2030, with a vision toward 2050
 - The entire of Viet Nam Internet transited to IPv6
 - Deploying IPv6 for IoT, mobile IoT, smart home IPv6

Training in 2024

- 09 IPv6 training courses
- 500 attendees



Conferences

- IPv6 Conference (Chairman: Deputy Minister)
- Government Agencies consultation meetings
- Working with biggest ISPs/ Mobile operators



IPV6 MEASUREMENT

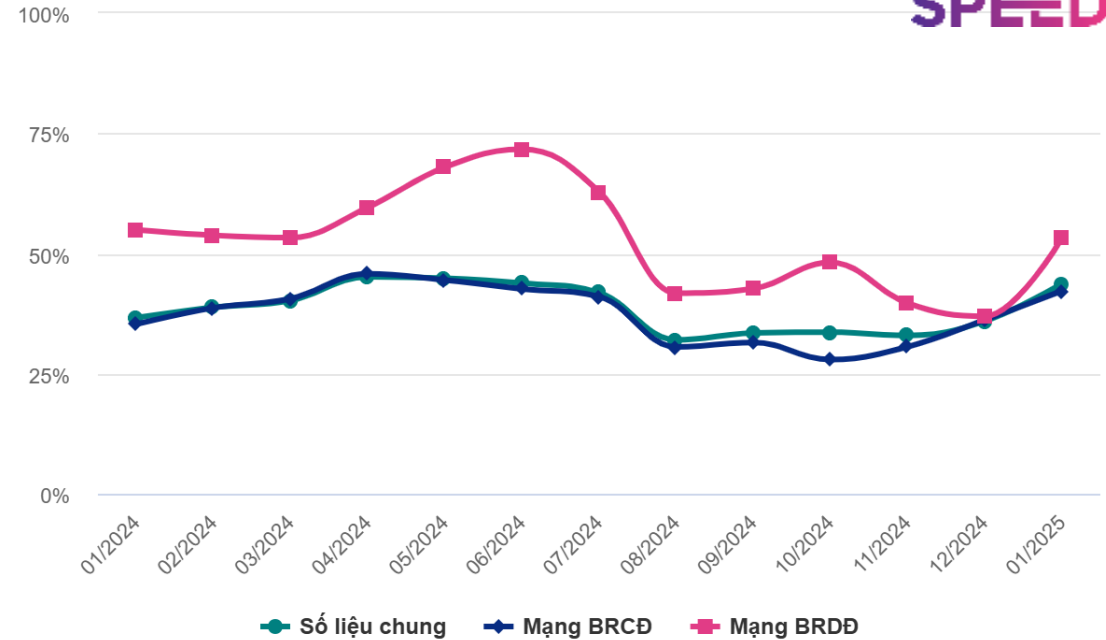
Use of IPv6 for Vietnam (VN)



The use of IPv6 for Viet Nam (APNIC Lab)

- By 12/2024: 65.5%, 2nd place in ASEAN, 7th place in the world (source APNIC Lab)
- 82% IPv6 FTTH Subs and 83% IPv6 Mobile Subs
- VNIX, National DNS: 100% IPv6
- IPv6 For Gov: 95% Websites of Ministries, Provinces, cities enabled IPv6.

Tỉ lệ ứng dụng IPv6 trên cả nước

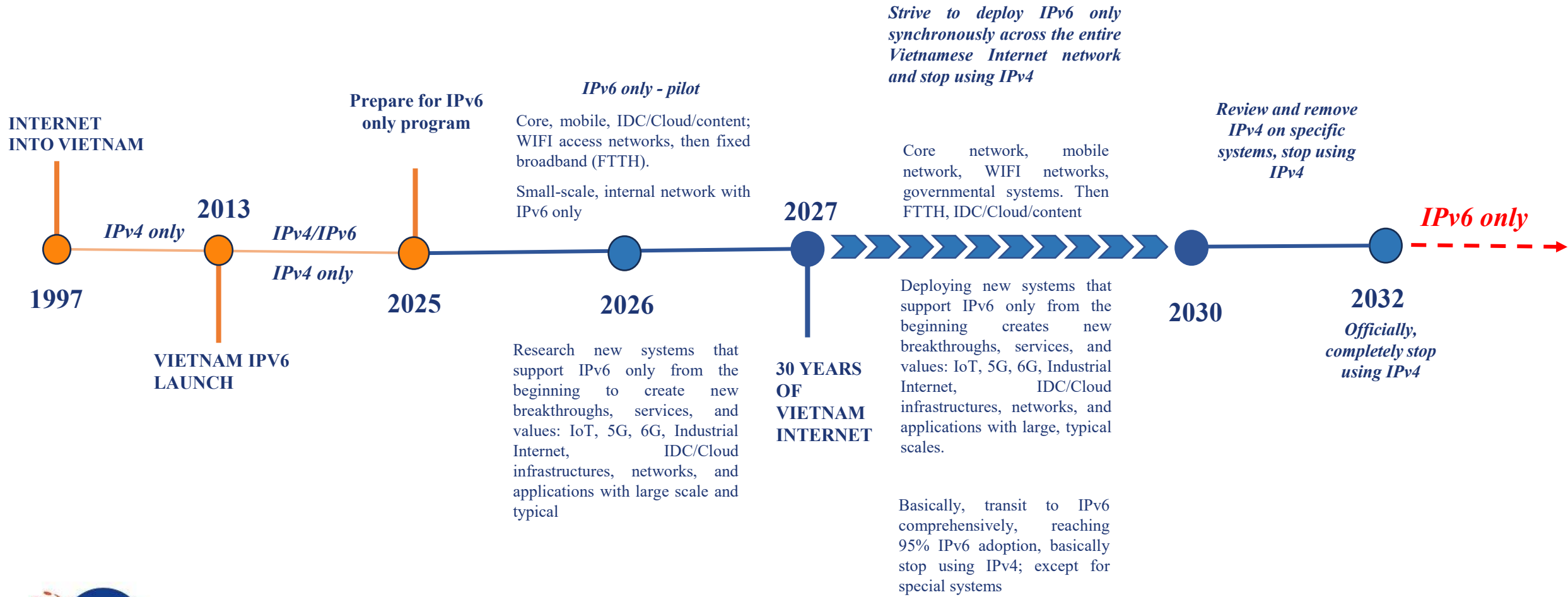


i-SPEED by VNNIC

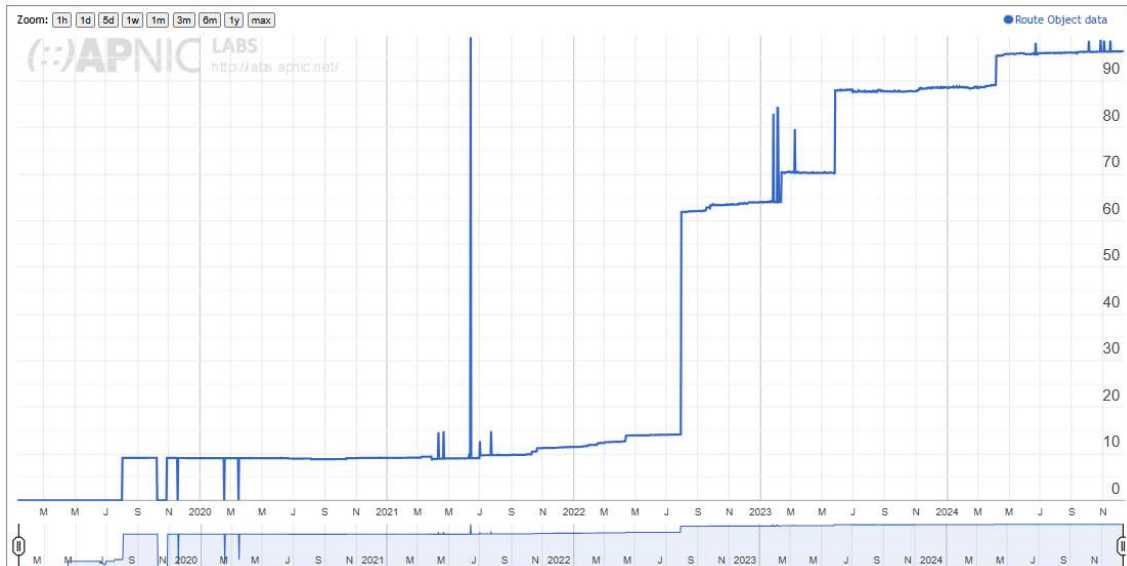
The use of IPv6 for Viet Nam (source: i-speed by vnnic)

The databases support to collect and measure the use of IPv6 for Mobile network/ Fixed network/ Per big ISP, mobile operators/ every ward/district/ city in Viet Nam

TIMELINE TOWARD IPV6 ONLY IN VIETNAM



RPKI AND ROUTING SECURITY



ROA/RPKI in Viet Nam (Source: APNIC Lab)

Activities in 2024

- RPKI deployment guidelines/ documents for IP members
- Official letters to members
- Promoting big ISPs recommending/ introducing their members
- 01 workshop
- Supporting ISPS/ Members usually

Results

- 96% IPv4 ROA
- 80% members created ROA
- Reducing 73% routing incidents comparing with 2023 (source MANRS)

Internal cooperations

- Cooperate with almost ministries/cities/provinces promoting IPv6, i-speed (make in Viet Nam) , “.vn” domain name.
- Cooperate with national youth committee, universities, registrars to increase the awareness of “.vn” domain, internet resources for the youth - next generation.
- Cooperate with big ISP, IDC to expand POP of VNIX



COOPERATION ACITIVITES

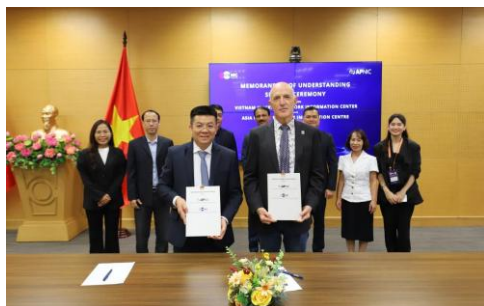
Signing MoU with APNIC, LANIC, LTRA, .RU ccTLD



MoU signing ceremony LANIC and VNNIC



MoU signing ceremony LTRA and VNNIC



MoU signing ceremony APNIC and VNNIC



MoU signing ceremony .RU ccTLD and VNNIC

Bilateral meetings with JPNIC, JPRS, SOI Asia Project, IDNIC, CNNIC, ICANN



VNNIC with JPRS, JPNIC, SOI Asia Project



IDNIC and VNNIC



ICANN and VNNIC

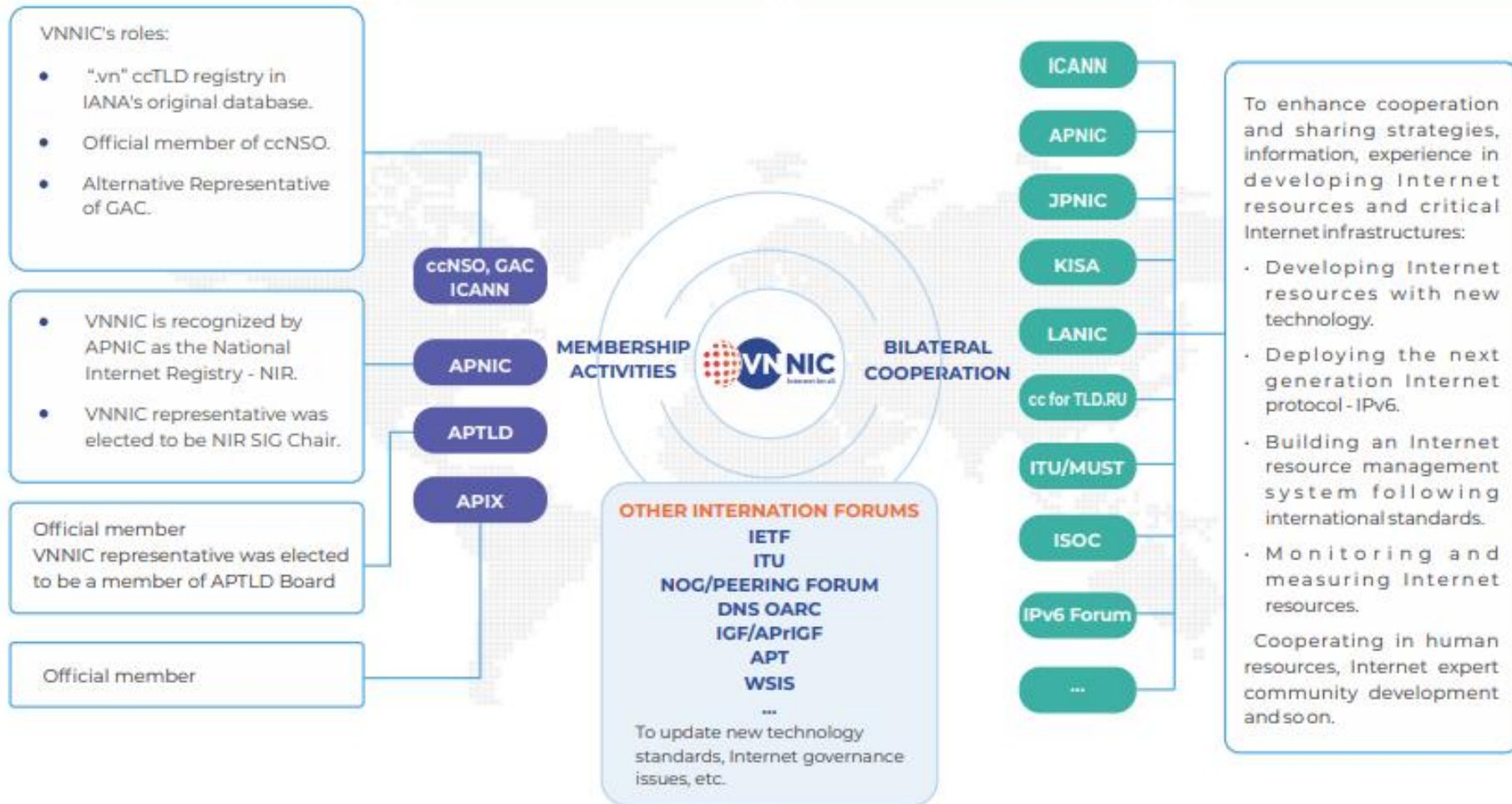
COOPERATION ACITIVITES



VNNIC: Local Host of APTLD 86
Location: Danang city
Attendee: ~ 150 people



INTERNATIONAL MEMBERS/ COOPERATION



UPCOMING EVENTS IN 2025



APAC DNS FORUM
MAY 8 - 9, 2025
HA NOI CITY



APNIC 60
SEPTEMBER 3 - 11, 2025
DA NANG CITY



VNNIC INTERNET CONFERENCE 2025
JULY 2025



VNiX – NOG 2025
October, 2025



Thank you so much friends, colleagues and brothers from APNIC, KISA, JPNIC, CNNIC, TWNIC, APJII/IDNIC, IRINN/NIXI, APIX, APTLD, ICANN, LANIC, LTRA, ... for all





Thank you !

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