

VNIX UPDATE 2026

What Vietnam's Internet Is Telling Us

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CAN THO, VIETNAM

Vietnam's Internet, one year on

Faster speeds, more 5G users, more addressing, and more resilience than a year ago

84 Tbps

▲ 121%

International cable design capacity · 6 submarine + 1 terrestrial

67%

▲ 2%

#2 ASEAN · #7 global

IPv6 adoption

895 ASNs

▲ 27 members

Autonomous System Numbers in Vietnam

301.5 Mbps

▲ 20.4%

#13 → #8

Fixed broadband speed

219.9 Mbps

▲ 45%

#18 → #9

Mobile broadband speed

27.2M

▲ 94%

5G subscriptions

MILESTONES



2G switched off nationwide



Biggest ranking jump worldwide



First satellite broadband licence

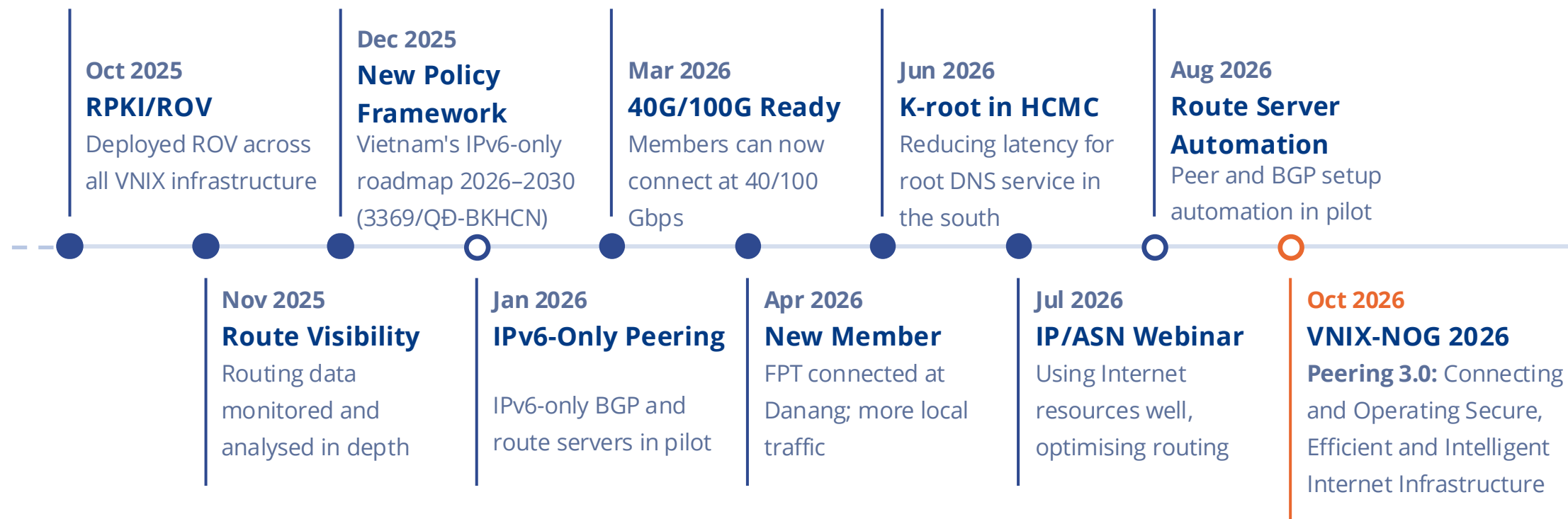
02 / OCT 2025 → OCT 2026



One year at VNIX

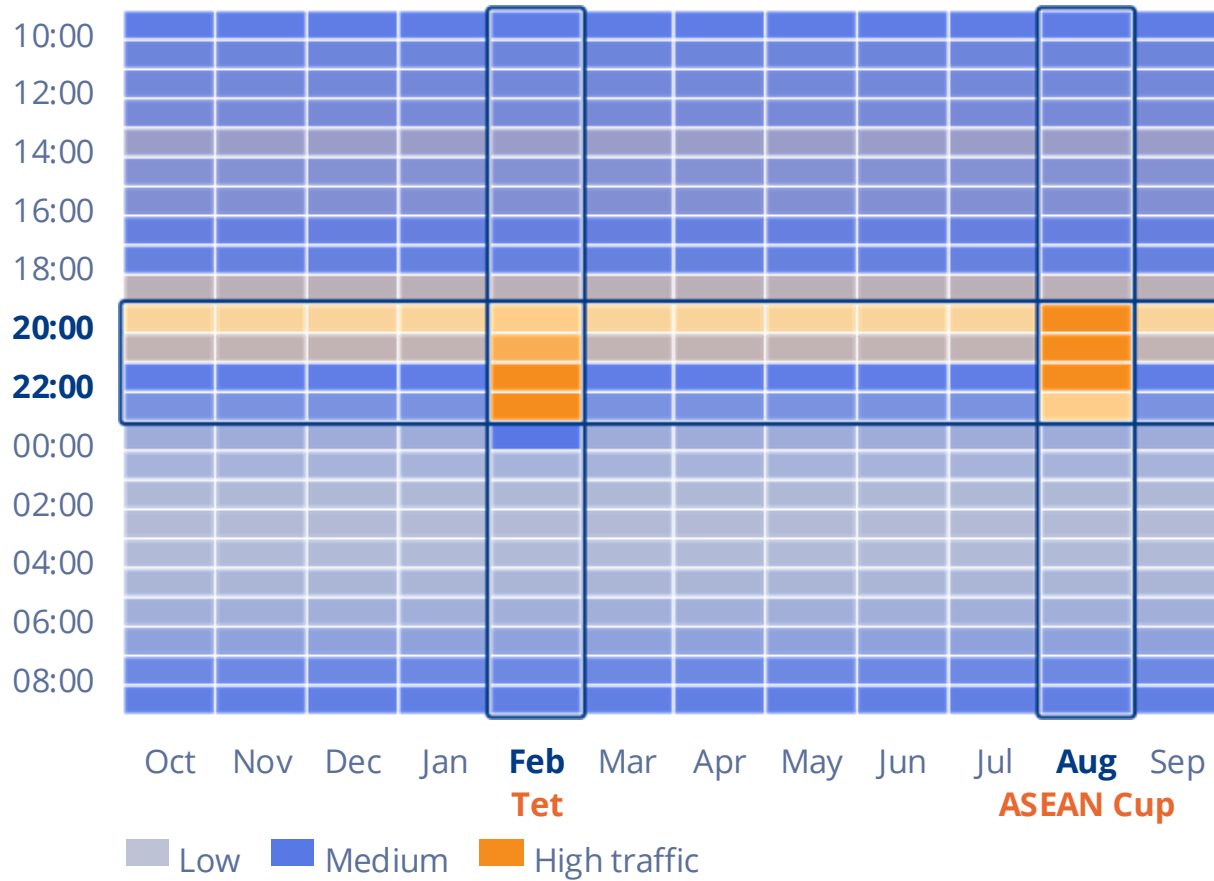
VNIX today: **33 member networks** and **484 Gbps** of connected capacity

● In service ○ Pilot ○ Next



When does Vietnam peak?

How traffic is expected to peak: **evenings, Tet, and major events**



Vietnam online

85.6M internet users · 84.2% of the population

+0.6% user growth in a year, down from +7.1%

96.9% go online via mobile phones

32h 36m a week on connected media

What users spend time on, hours per week (16+)

12h 40m Online video

8h 21m Video games

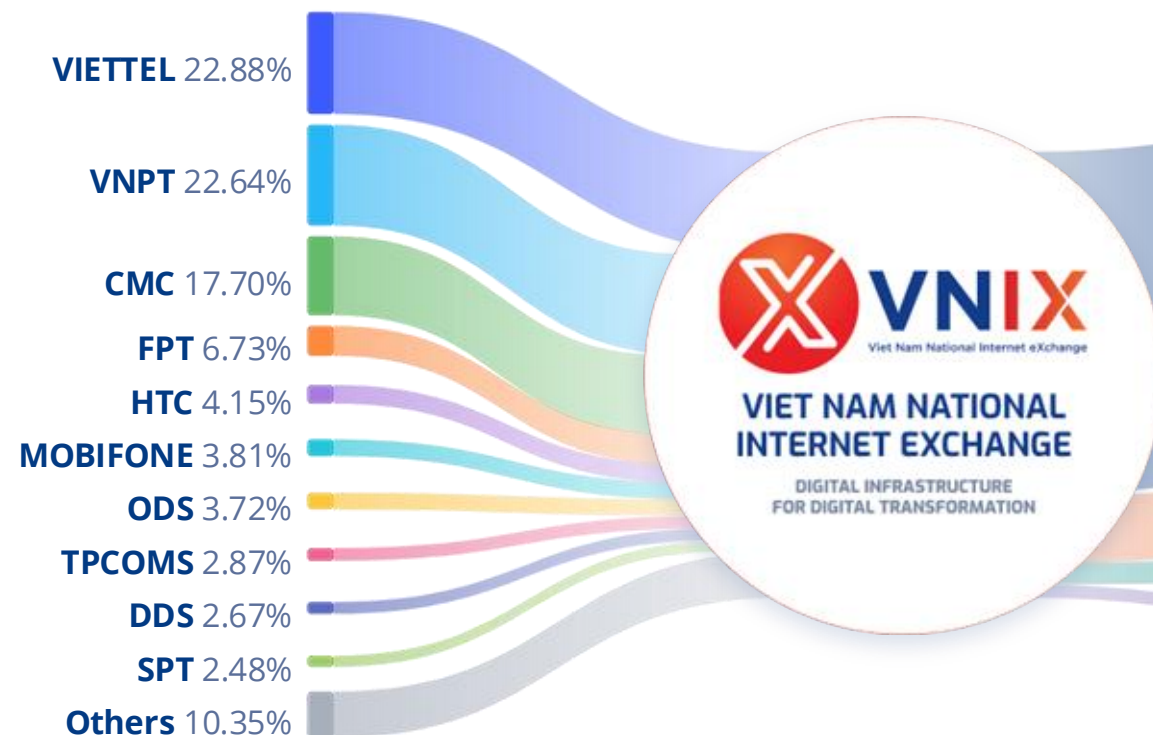
7h 53m Social media

Open question:

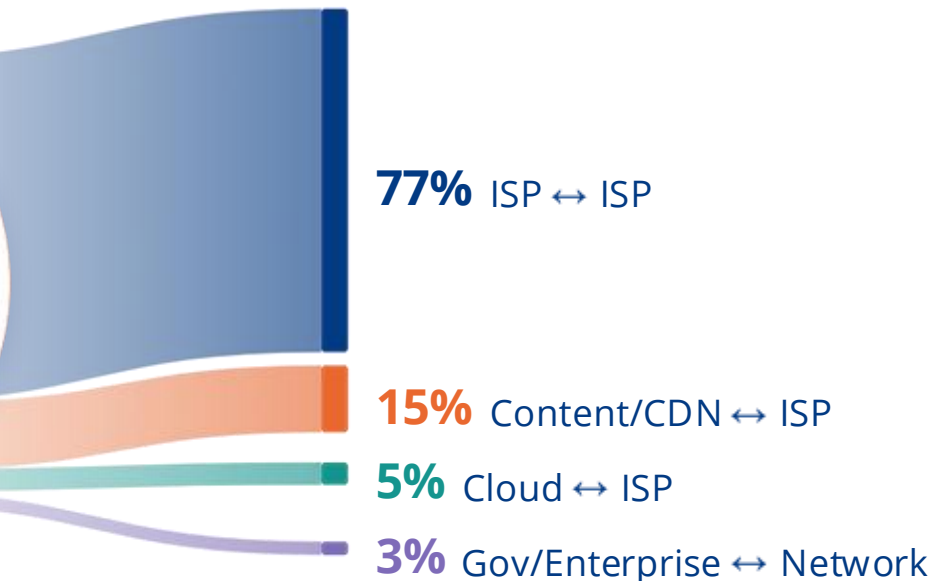
“Is Vietnam becoming a content-driven Internet?”

Where does Vietnam's traffic come from?

Traffic by member



Traffic by type



Not yet: ISP ↔ ISP still carries 77% of VNIX traffic

33 networks, over 90% of Vietnam's users

VNIX members are Vietnam's main carriers; **smaller networks often reach VNIX through them**

Internet view

Vietnam's ASNs



VNIX view

via route servers, varies over time



Directly connected

main carriers, over 90% of users



Why the numbers differ

Smaller networks often reach VNIX through upstream ISPs, not as separate routes, so the count seen at VNIX varies widely. They are still reached via VNIX member carriers.

The next wave of direct peers: IP/ASN members by type



IPv6: 67% capable — but what about traffic?

How much of the real traffic at VNIX is **IPv6**?



9,564

IPv6 routes · +2.2% vs. 2025 (9,360)



100%

of members have established IPv6
peering

The remaining 45% is still IPv4 — but IPv6 peering is catching up fast →

IPv6 peering is growing faster than IPv4

...and the **whole IPv6 ecosystem** is moving with it



+7.2%

IPv6 interconnections

246 in total

+5.0%

IPv4 interconnections

529 in total

Vietnam is expanding **IPv6 peering faster than IPv4**, even though IPv6 is still much smaller in absolute terms.

86%

of FTTH/mobile subscribers use IPv6

54,000

IPv6-enabled .vn websites

86%

of government portals are IPv6-enabled

IPv6-only

live at FPT & MBF; VNPT, Viettel piloting

How safe is Vietnam's peering?

RPKI metrics at VNIX, 2025 → 2026

Metric	2025	2026	Change
RPKI Valid (routes)	24,482	26,073	+1,591
Valid %	96.1%	98.5%	+2.4%
Valid IPv4	15,358	16,573	+1,215
Valid IPv6	9,124	9,500	+376
RPKI Invalid	35	22	-13
Invalid %	0.10%	0.08%	-0.02%
RPKI Unknown	796	388	-408
Unknown %	3.10%	1.47%	-1.63%
IPv6 peers	100%	100%	0%

98.5%

of routes at VNIX are RPKI-valid (2026)

ROV ACROSS VIETNAM

~20% of users are behind networks that drop RPKI-invalid routes

Mostly FPT; most other ISPs not yet

TARGET

Toward 100% trusted routing at VNIX

NEXT FOR ISPs

1 Keep ROAs complete



2 Enable ROV: drop invalid routes



3 Monitor via route visibility

What happened when things went wrong?

Late August 2026: **4 of 6 submarine cables** down at once



① How traffic shifted

+2.6 Tbps added by major ISPs

IA → Hong Kong **+800 Gbps**

APG **+300 Gbps**

International land cable **+1.5 Tbps**

② How much latency changed



— International: ~45 → 54 ms (+20%)

— Domestic: ~8 ms, unchanged through the crisis

③ What domestic peering did

- No submarine cable in the path**
Local networks talk directly
- Content and DNS served locally**
Caches in local networks; DNS root at VNIX
- Saves scarce capacity abroad**
Remaining cables carry what must go abroad

THE LESSON

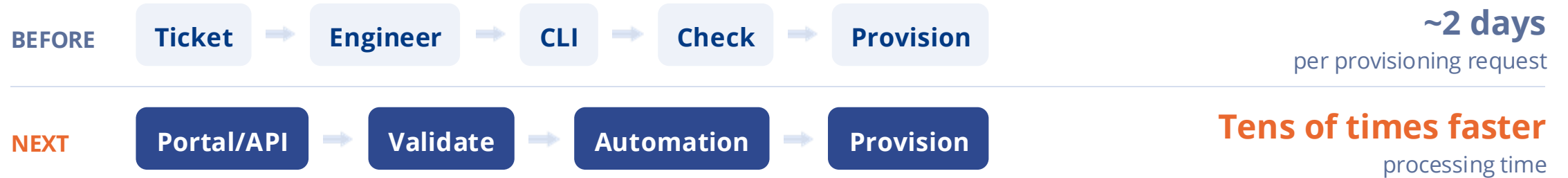
1 Peer at VNIX

2 Keep traffic in

3 Host key services in

Automating VNIX operations

Member connection workflow: **from manual operations to automation**



What VNIX automates



WHAT MEMBERS GET ✓ Faster onboarding ✓ Fewer config errors ✓ Consistent, up-to-date filters ✓ Self-service via portal (next)

What VNIX offers: today and next

7 PoPs in 3 cities, and a growing set of services for members



• AVAILABLE NOW

- | | | |
|---|--------------------|------------------------------|
| 1 | Public peering | Over 90% of users |
| 2 | 40/100G ports | Room to grow with traffic |
| 3 | RPKI/ROV filtering | Invalid routes dropped |
| 4 | Route visibility | Routing monitored in depth |
| 5 | DNS root at VNIX | Fast, local root DNS |
| 6 | Public DNS64 | IPv6-only clients reach IPv4 |
| 7 | DDoS protection | In service, being optimised |

➊ COMING NEXT

- | | | | |
|----|-------------------|-----------------------------|-------|
| 8 | IPv6-only peering | No IPv4 on the peering LAN | Pilot |
| 9 | Portal & IX-API | Self-service for members | Next |
| 10 | Observability | Routing and traffic insight | Next |

WHY CONNECT

✓ Lower latency

✓ Lower transit
cost

✓ Resilience when cables
fail

✓ Safer routing

✓ Ready for IPv6-only

VNIX 2030: from an IX to an Internet Infrastructure Platform

01

Exchange

Peering

02

Secure Exchange

Peering · IPv6 · RPKI Filtering

03

Internet Infrastructure Platform

IPv6-only peering · DNS/Root ·
Measurement · Automation · Security

**The next growth of VNIX is not more traffic.
It is more networks talking directly to each
other.**

THANK YOU

Contact us: vnix-peering@vnnic.vn

