



VNNIC – NIR operations and present status

NIR SIG – APNIC 17

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VIETNAM INTERNET NETWORK INFORMATION CENTER



- **PRESENT STATUS**

- Quantity of Member

	Full member (already hold IP, AS from VNNIC)	Association member (can not request IP, AS from VNNIC)
End of 2003	7	8
In future	Some association members who are using un-portable addresses now want to renumber their network and request for portable allocation. Many multihomed networks need portable assignment.	

- IP team

Two IP hostmasters in Hanoi. One officer in Ho Chi Minh branch who takes the responsibility to support and answer all queries from VNNIC's members in Northern Vietnam. Other officers in Resources Management Department and Financing & Accounting Department.



- **SOME OPERATIONS IN 2003**

- Rebuild VNNIC's fee structure for IP & ASN resources. New fee structure will come into effect in midyear of 2004
- Setup VNIX (Vietnam Internet Exchange) under a non-profit project to support Internet Community in Vietnam.
- Experiment IPV6 connections and services within VNNIC's infrastructure



- **REBUILD FEE STRUCTURE**

- **Current fee structure**

- Do not divide into tier
- Keep constant per /24, do not change upon membership tier (which usually base on amount of IP addresses member requested)

	Allocation fee (once when requested) (USD)	Annual fee (USD)
IP	28.5 (per /24)	126.8 (per /24)
ASN	475.6 (per ASN)	317 (per ASN)

- **Disadvantage**

- Not similar to APNIC and other NIR's fee structures in which fee per /24 unit gradually get lower along with the larger amount of IP addresses used by members (divide into tiers)
- Sometime it's not good for aggregation and management purpose. Members do not request IP base on their need in particular period of time (that is generally 1 year).



- REBUILD FEE STRUCTURE (continue)**

Compare annual fee (per /24 unit) between APNIC and VNNIC. The more IP addresses member requested, the larger difference between APNIC and VNNIC fee.

Address space used by member	Annual fee per /24 unit (USD)	
	APNIC	VNNIC
/22	312.5	126.8
/19	78.1	126.8
/16	19.5	126.8
/13	4.9	126.8
/10	1.2	126.8
> /10	< 1.2	126.8



- REBUILD FEE STRUCTURE (continue)**

VNNIC has built new fee structure:

IP Fee

=

Startup fee : 1000 USD
(only once in the first time
member request for IP)

+

Annual fee : Base on tier
as in the table below.

ASN Fee

= 0

Tier	IPv4	IPV6	Fee (USD)
1	/22	/35	600
2	/21	/34	2000
3	/20	/33	2200
4	/19	/32	2500
5	/18	/31	4500
6	/17	/30	5000
7	/16	/29	5500
8	/15	/28	13000
9	/14	/27	15000
10	/13	/26	18000

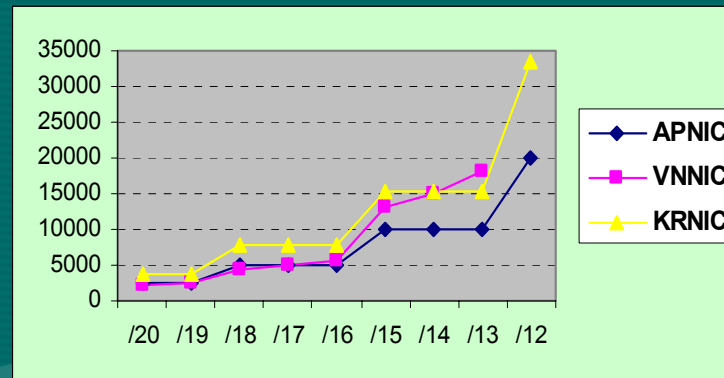


- **REBUILD FEE STRUCTURE (continue)**

Advantages of new fee model :

- Similar to APNIC and other NIR's fee structures

Compare annual fees of APNIC, VNNIC, KRNIC



- Appropriately to Vietnamese Government's Direction in developing Telecommunication's infrastructure, VNNIC do not charge fee for ASN request in order to promote using ASN and taking multihomed connections in Vietnam.



- **SETUP VNIX**

- Late 2003, VNNIC setup Internet exchange point in Hanoi for ISPs in Vietnam to exchange domestic traffic. The VNIX is being built in phase I to establish IX point in Ho Chi Minh city.
- VNNIC take this as a non-profit project to serve Vietnamese Internet Community.
- At the moment: there are three ISPs that already connected to VNIX



- **IPV6 EXPERIMENT**

- VNNIC has experimented IPV6 connections and services within VNNIC's infrastructure in both side Hanoi and Ho Chi Minh city. The purpose is to take experiences in resources management as well promoting IPV6 applying in Vietnam.
- At the moment, we are preparing an IPV6 report which will be submit to The Ministry of Posts and Telematics on the direction and policy for promoting IPV6 in Vietnam. In there, VNNIC will take the role of promotion body.
- **IPV6 will be soon applied in Vietnam**



- **VNNIC's PLAN**

- Upgrade activities on popularize policies and technologies to Vietnamese Internet Community.
- **Holding The first Open Member Meeting of VNNIC-NIR in September 2004. It will take place in Ha Noi and will be held in conjunction with APNIC training**

For the success of the first meeting, we are preparing carefully on plan, content, etc...



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- It's our pleasure to welcome you, APNIC and other NIRs coming to attend our first Member Meeting.
- We are deeply appreciated experiences shared by NIRs and hope to obtain your helpful hands



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Thank you !

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