

The Second Phase of Large Space IPv4 Trial Usage Program for Future IPv6 Deployment ~ Proposal ~

APNIC 19 Meeting / Policy SIG

February 23rd, 2005 at Kyoto, Japan

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Outline of this Program

- Authorized at the 11th APNIC Open Policy Meeting
 - Originally planned to be closed at the end of 2005
- Initiated with the following goals:
 - Providing the challenge field for coming IPv6 era
 - Exploring new services and boosting up the “end-to-end” application
 - Transferring trial to IPv6 infrastructure under the real service operation
 - Forming IPv6 address administration scheme in JP
 - Revitalizing the historically allocated address space
- Updating the activity at the every APOPM
 - Reported that this program faced an issue in ending the program as planned at the last APOPM at Fiji
 - Received a comment from APNIC that the program continuation could be allowable if necessary
 - Program activity update this time was done at IPv6 Tech SIG this time

Summary of this Program (1/2)

- Accomplished:
 - Quick deployment of less-expensive “always-on” connectivity broadband services for home users
 - Area-wide wireless LAN service started
 - New value added services such as Fixed-IP address, VoIP, contents delivery service started
 - Actual case of returning the IPv4 addresses by deploying IPv6-ready service



Contributing to the quick development and realizing the real birth of IPv6 service of the advanced IT environment in Japan

Summary of this Program (2/2)

- Not accomplished:
 - Real IPv6 service shift
 - Way-under the estimation of IPv6 deployment level
 - Global Internet infrastructure is not yet IPv6 ready
 - No IPv6 only service deployed yet
- Received the return of IPv4 space from one participant (Wireless LAN Spot Service)
 - Could not launch the business of WLAN public Spot service

Consideration

- The assumption at the beginning of this trial started in 2001 was that IPv4 replacement to IPv6 would be advancing, and the used IPv4 could be returned
 - 1-2 year delay from the estimated deployment level
 - Delay of development of IPv6-ready devices, IPv6 access service, etc.
- However, IPv6 services are now deploying in “IPv4/v6 Dual stack” way
 - It is found that the keeping IPv4 service along with IPv6 service is still necessary until the IPv6 service gets matured enough

Proposal

- Extend the program end to the end of 2008 from the current end at the end of 2005
 - Returning the address space to the public space as is now
- Set the following conditions to the participants of this program:
 - Need to show IPv6 service starting plan
 - Mandate returning the assigned IPv4 space if IPv6 service could not be started with by the end of 2008
 - Make the activity report periodically as like now
 - Conclude the agreement describing the conditions set as like now
- Design how-to return the 43/8 block to public space with APNIC
- IPv6 PC will continue the regular report on this activity as is at the APNIC meeting

Any question and comment?

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