

# Large Space IPv4 Trial Usage Program for Future IPv6 Deployment ACTIVITIES UPDATE Vol.6

APNIC 17 Meeting / Policy SIG

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# Topic

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- Update from the last report
  - Result from periodical member interview
    - IPv6 transition planning, etc.
- Consideration

# Interview

- Conducted 4th interview
  - Beginning of Jan., 2004
- Current members : no change at all
  - Broadband “Always-On” connection service
  - Large VoIP/ADSL service
  - Contents Delivery service (contents with IP)
  - Public Space wireless access service

# Interview Results

Some members revealed their IPv6 transition plan:

- Wireless service
  - City-wide mobile: P2P voice chat and area-dependent info
  - Apply transition technology by 6to4/LIN6
  - Access points are replaced to IPv6 enabled one by one
- VoIP services over the tunneling virtual network
  - Ease of starting a service over IPv6
    - No need to care of connecting protocol layer
  - SIP/v6 IP Phone terminal is under technical examination for service at the moment
    - Need to replace IP Phone terminal firmware for IPv6 capable
    - Need to place a v4/v6 translator at the PBX gateway

# Interview Results

- Broadband access service identify
  - what to replace for IPv6 enable
    - DSLAM
      - Version up or replacing
    - Switches (aggregating user networks)
      - Version up
    - Routers (aggregating area-wide network)
      - Replacing modules
    - Backbone Routers
      - Replacing to New model or modules
  - Need to apply more than 30,000 nodes
  - Start a pilot service from June 2004
    - Start with Tunneling and then make it to dual

# Interview Results

- Many of members still expressed:
  - It seems to be a bit early to return IPv4 addresses assigned to users by the end of 2005, since there might not be enough leading time to switch both infrastructure and user-side devices to IPv6 enable
- > IPv6 PC may ask the community to extend the term of this program at the next meeting

# Consideration

- The members have been able to convince users the value of global addresses and ease of introducing a potential of new applications such as P2P info exchange, and IP-Phone through this program
  - IPv6 service becomes reasonable to be introduced to users
    - Ease of global address assignment
    - Security point of view
- Need more time to make their network IPv6-enable
  - IPv6-ready solutions are not so available in wide-variation and are still costly

Thank you,  
and We will update you next time as well.

Any question and comment?

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