12th Policy SIG Report

2005.9.9

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Chair/co-chair of APNIC Address Policy SIG

History

- 1st SIG:Korea, Mar. 2000
- 2nd SIG:Brisbane, Oct. 2000
- 3rd SIG: KL, Mar. 2001
- 4th SIG: Taipei, Aug. 2001
- 5th SIG: Bangkok, Mar. 2002
- 6th SIG: Kita-Kyushu, Sep. 2002
- 7th SIG: Taipei, Feb. 2003
- 8th SIG: Korea, Aug. 2003
- 9th SIG: Kuala Lumpur, Feb. 2004
- 10th SIG: Fuji, Sep. 2004
- 11th SIG: Kyoto, Feb. 2005
- 12th SIG: Hanoi, Sep. 2005

Address Policy SIG Agenda

- Review of open action items
- IANA policy for allocation of IPv6 blocks to RIRs (p)
- Proposal to amend APNIC IPv6 assignment and utilisation requirement policy (p)
- Alternative address allocation algorithm for IPv6
- Resource recovery policy – implementation update

- Proposal for discrete networks and national peering (p)
- RIR policy development update
- LIR survey results
- IP address space transfer between existing Taiwan LIRs
- Large IPv4 address space usage trial for future IPv6
- Election of co-chair

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Head count for each session

- Session 1 : 66
- session 2 : 86

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Content of SIG

- 3(4) policy proposals
    - 2 policy proposals reached consensus in OPM
        - Consensus needed from AMM
    - 2 policy proposals didn't reach consensus in OPM

- 6 informational presentations

IANA policy for allocation of IPv6 blocks to RIRs
Paul Wilson

- The proposal
  - Allocation sufficient for 18 month period (not 36)
  - Those with less than /12 unallocated address space to receive an allocation from IANA
  - RIRs to receive additional IPv6 space when
    - available space is less than 50% of a /12
    - available space of IPv6 addresses is less than RIR requirement for the following 9 months
- Situation in other RIRs
  - AfriNIC : discuss in next meeting
  - ARIN : reached consensus
  - LACNIC: reached consensus
  - RIPE discussion in RIPE49,50, 51
- **The proposal reached consensus at the OPM**

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Proposal to amend APNIC IPv6 assignment and utilisation requirement policy (splited 2 proposals) Geoff Huston

- Proposal1 (Part One)
  - Evaluation for subsequent allocations to be based on an HD-Ratio value of 0.94
  - **The proposal reached consensus at the OPM**
- Proposal2 (Part Two)
  - Add a /56 end-site allocation point (in addition to /64 and /48)
  - Default end-site allocation for SOHO end sites to be a /56
  - The proposal didn't reach consensus at the OPM

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**Proposal for discrete networks and national peering
Uchenna N Ibekwe**

- The proposal
  - proposal recommends that APNIC allocate routable aggregate blocks of IPv6 to enable Global/Continental-regional/National peering for Large ISPs with global facilities.

- The proposal didn't reach consensus at the OPM

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Informational Presentations

- Alternative address allocation algorithm for IPv6, Mei Weng
  - An analytical model to quantify the effects of address allocation schemes
- Resource recovery policy – implementation update, Son Tran
  - Allocate additional IPv4 /8's for private use : draft-hain-1918bis-01.txt
- RIR policy development update, Save Vocea
  - Private Use addresses
    - Large pool divided into IDs of /48s
    - Use random selection to minimize selection collision of IDs

Informational Presentations

- LIR survey result, Save Vocea
  - Action item
    - Continuous discussions on the list
    - Post original proposal summary to the list incorporating the survey result

- IP address space transfer between Taiwan LIRs, Ching-Heng Ku
  - Introduce resource transfer model and practice in Taiwan.

- Large IPv4 address space usage trial for future IPv6, Naota Sawabe
  - Regular report for Large IPv4 address space usage trial

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Election of Co-Chair

- 4 nominees
  - Ahmad Alkazimy (IDNIC)
  - Billy Cheon (KRNIC of NIDA)
  - Tom Vest (Packet Clearing House)
  - Xiangjian (Eugene) Li (CNNIC)
- Elected Co-Chair : Eugene Li

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Action Items

- **pol-20-001:** Pending approval at each remaining stage of the policy proposal process, Secretariat to continue coordinating global acceptance of this policy [prop-005-v005]

- **pol-20-002:** Pending approval at each remaining stage of the policy proposal process, Secretariat to continue coordinating global acceptance of the HD-ratio component of this policy [prop-031-v001].

- **pol-20-003:** APNIC Secretariat to refer further discussion of the LIR survey to the mailing list. [prop-020-v001].

Next Step – seek consensus from the AMM

- Prop-005-v005: IANA policy for allocation of IPv6 blocks to RIRs (Paul Wilson)

- Prop-31-v001 [Part One] : Modifying IPv6 HD-Ratio from 0.8 to 0.94. (Geoff Huston)

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THANK YOU

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