IPv6 Guideline WG

2005.2.24

Asia Pacific IPv6 Task Force

Takashi Arano

(Intec NetCore, Inc.)

Guideline solves barriers for deployment

1. <u>"I can't see IPv6's immediate benefits for my network"</u>
   - Proof of Concepts in various field trials
     - To explore possibilities for new solutions and applications
     - To proof cost benefit
   - To provide case studies in which IPv6 is effective
2. <u>"I don't know how to deploy"</u>
   - Prepare "manuals" for each segment such as enterprise, ISP, home etc.
     - Phases & process, security, etc.
3. "I don't still believe in IPv6's stability nor reliability"
   - Interoperability Testing with IPv6 Forum Logo Program
   - Machines should be used in various cases

Example: Japanese Guideline

- Best Current Practice
  - Segments
    - large enterprise, small enterprise
    - ISP, IX/DataCenter
    - Home

- Scenarios towards v4:v6=5:5 and problem to be solved

- Security Analysis

- Case studies with simple cost estimation

- Tips

- We also have a Korean Guideline

Typical Scenario in IPv6 Introduction Period

- There are subtle difference between what IPv4 can do and what IPv6 can do.
- It would be non sense to ask what only IPv6 can do and just wait.

- Possible Scenario
  - Deploy IPv6 as a new system
    - Ex: Building Facility Management System area is moving to IP. There are many reasons to choose IPv6.
  - Deploy IPv6-enable network at the time of network renovation
  - Deploy IPv6 network overlaying IPv4 as a difference protocol to minimize existing network
  - Don't wait for the open IPv6 Internet
    - Closed network/system comes first because it have less constraints.

How to Proceed Guideline WG

- Process
  - Merge Japanese new guideline and Korean one into one
  - A separate one-day working meeting somewhere in July-August