# APNIC Strategic Planning

## MAEMURA Akinori

## Chair, APNIC Executive Council

# Background

- APNIC EC role

  *"to consider broad Internet policy issues in order to ensure that APNIC's policies and strategies fully respond to the constantly changing Internet environment"*

- Regular meetings (monthly) tend to cover operational and financial as well as strategic discussions

- Strategic discussion needs more focus and more visibility/transparency

# About APNIC

- What we do
  - "Regional Internet Registry"
- Why we do it
  - Needed technical/administrative service
  - Support development of the Internet as a single, seamless, routable, global network
- How we do it
  - Non-profit mutual organization
  - Bottom-up policy process

# Strategic Planning

- Origins
  - Proposed by EC during 2010
  - New process started, and ongoing
  - Facilitator: Colin Adams
- First meeting
  - Face-to-face retreat meeting
  - Brisbane, December 2010
- Future process
  - To be determined

# First Meeting: Process

- Inputs
    - EC member expertise
    - APNIC staff contributions
    - Member survey (2011)
- Agenda
    - Challenges
    - Identify issues into major areas
    - Possible responses and positions
- Outputs
    - Draft positions and statement

# Major Issue Areas

- IPv4 exhaustion
- IPv6 transition
- Environmental changes
- Registry function
- Sustainability
- Future process

# IPv4 Exhaustion

- After IPv4…
  - IPv6 is the only long-term solution
  - But transition will take time
- Interim measures will be adopted
  - Implications of private IPv4 (and NAT)
  - Implications of public IPv4 transfers
- Global factors
  - IPv4 imbalance will be harmful
  - Policy questions are becoming critical

# IPv6 Transition

- Transition Period
  - From now until IPv4 is optional
  - Length is currently unpredictable due to complex interactions of factors (business decisions, business investment and capability)
- Need for training and education
  - ISPs: practical assistance is often needed
  - Governments: education on technology/policy
- APNIC response
  - Window of need/opportunity for 2-5 years
  - Budget implications

# External Environment

- Ever increasing public sector awareness:
    - Internet as critical global infrastructure
    - Opportunities: socioeconomic development
    - Threats: socioeconomic security
- APNIC response
    - Active outreach, education, advocacy in our area of expertise/responsibility
    - Complexity and cost implications

# Registry Function

- Shift from allocation to registration
  - IPv4:pools are empty; shortage will increase pressure on registry
  - IPv6: pools are abundant; registration is the primary role, and growing indefinitely
- Registration and security
  - RPKI (supporting Routing security)
  - Reverse DNS and DNSSEC
- APNIC response
  - Integrity of registry is key priority

# Sustainability

- APNIC's core responsibilities are established and ongoing
  - In some respects, more important than ever
  - EC has responsibility for stability and sustainability of the organization
- APNIC response
  - Recognize and analyze future scenarios and impacts on revenue and growth
  - Ongoing close watch on trends and their implications (IPv6 growth, IPv4 return)

# Future Process

- Need more regular strategy review and update
  - Response to environmental changes
  - Response to public/Member enquiry
- Proposed schedule
  - Quarterly EC strategy review meeting, attached to normal EC meetings…
  - 2 at existing face-face meetings (Mar/Sep)
  - 1 at face-to-face retreat (Dec)
  - 1 during teleconference (Jun)

# Thanks