Internet End-Users and the Transition from IPv4 to IPv6

June 23, 2008
10:00 am – 11:30 am

Organized by ICANN ALAC

Part 1: Allocation of Remaining IPv4 Addresses: What is a Fair and Equitable Model to the Internet users?

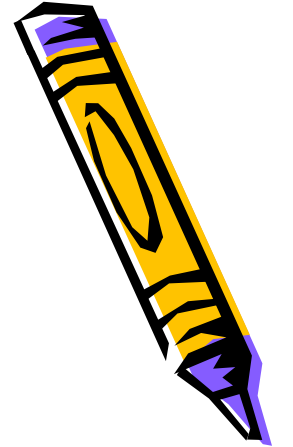## NRO's efforts in the equitable allocation of IPv4 addresses globally

Ray Plzak (NRO/ARIN)

Part 2:

Issues to be faced by Internet Users before and during the transition period
– How to ensure user interests?

Technical overview

Leslie Daigle
Chief Internet Technology Officer,
Internet Society (ISOC)

Overview on
Public Policy works

Karine Perset
ICPC, OECD

Case Studies:

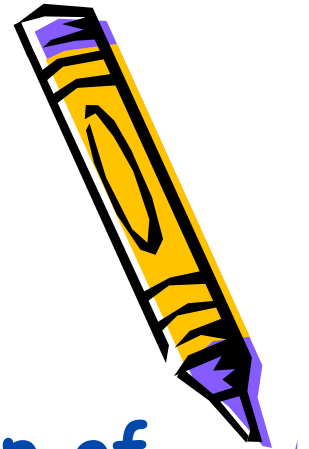## Report from IPv6 Transition Study Group of Japanese Government
Izumi Aizu
Institute for InfoSocinomics/ALAC

From Africa
Adiel A. Akplogan
CEO, AfriNIC

Part 3: Panel Discussion
Way Forward: What should be done by whom and when to ensure end-users interests are protected?

Bertrand de La Chapelle, Special Envoy for the Information Society, French Ministry of Foreign Affairs

Alain Durand, Director, Internet Governance and IPv6 Architecture, Comcast

Mark McFadden, BT Design

Christian Jacquenet, Director of Strategic Programs for IP Networks, France Telecom R&D

Speakers from Part I and Part II

Moderator: Izumi Aizu

Discussion

- Not possible to mandate – that is Internet
- Hard to make predictions
- No demand – because no offer
  - CPE mfg: no acknowledgement, no support – because ISPs don't support
- NANOG meeting in NY
  - IPv6 Hour
- Evolution path – make v6 backward compatible
- How many IPv6 wifi users?
- Deregulated industry – business case, supply side – failure is an option - not the transition that definitely occur – not designed this way
- More complex application
- No pre-determined outcome
- Distinction between planning and coordination – coordination is core mission of ICANN – dual stack, backward compatible
- Key: transparency for the users is fundamental – just appliance, plugs, utility
- Emergent behavior is embedded – enabling protocols contain capacity to scale
  - Our behavior should follow the same way
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- End user perspective
  - Trying to use IPv6, comparing that with v4 – today, find problem, go to forum to find solution – under experimentation
- Systematic attempt to coordinate across technical community not very efficient
  - Capacity for Internet self-governance not there?
  - Why started so late? Business case could have been known many years ago, not new
- From Pacific Island, *"if you miss IPv6, you miss economic opportunity"* ??
- All come back to demand – that fix everything, problem is not coordination, but lack of interest
- We are still two to three years away from pay level reaches
- "not backward compatible" was the design from day 1
- Demand, awareness, and consequences – analogy of Y2K
- Lesson from Y2k to apply – concerted effort for identification
- African challenges
  - Little traffic, not financially viable, but need to move forward