

Workshop organized by ICANN ALAC

Internet End-Users and the Transition from IPv4 to IPv6

Monday, June 23, 2008

10:00 am – 11:30 am, Rodin Room

Introduction (10:00)

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

Presentation by Ray Plzak (NRO/ARIN)

- NRO's efforts in the equitable allocation of IPv4 addresses globally
- Review of current policy debate in the Regional Internet Registries (RIRs)

Issues or questions which will be addressed:

- Are developing countries with huge potential of growth and/or lots of population not being pushed into disadvantageous situation? (Africa, India, China, Indonesia, Brazil, for example)
- Why is it not enough to "recover" un-used legacy address blocks given to some early players mostly in the US?
- Isn't there a fear of remaining precious IPv4 addresses to become way very expensive with speculation and/or un-authorized trading outside RIR policy framework?
- What is the effort for making the secondary market across five regions?
- Are ISPs responding to the challenge of IPv4 address pool depletion?
- If not, why so and what can be done to encourage them?

Part 2: Issues to be faced by Internet Users before and during the transition period -- How to ensure user interests? (10:30)

Presentation

- **Technical overview - Leslie Daigle, Chief Internet Technology Officer, Internet Society (ISOC)**
- **Overview on Public Policy works - Karine Perset, ICPC, OECD**

Case Studies:

- **IPv6 Transition Study Group of Japanese Government - Izumi Aizu, Institute for InfoSocinomics/ALAC**
- **From Africa - Adiel A. Akplogan, CEO, AfriNIC**

Issues or questions to be addressed in the presentations:

- What software and hardware device challenges exist for the end users?

- Will consumers have to pay to have IPv6-ready software and hardware – or will firmware and free software updates be sufficient?
- Will all IPv4 based network services be available from IPv6 based network endpoints?
- What kind of technical and business efforts are underway or going to be implemented to ensure smooth and stable operation of IPv4 and IPv6 hybrid network? Who is going to do what that guarantees the easy use of the Internet as enjoyed today, or even better?
- What special challenges confront those using mobile devices and wireless communications for Internet access?
- Will end users need to purchase new handsets, or will upgrades to older handsets suffice? Will older (non-3G) connection methodologies be made backward compatible?

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 Jacquerot, Director of Strategic Programs for IP Networks, France Telecom R&D**
- **Speakers from Part I and Part II**
- **Moderator: Izumi Aizu**

Issues or questions to be addressed in the presentations:

- Are ISPs responding to the challenge of migration – and if not what can be done to encourage them?
- In regards to the economics of transition, are there specific challenges especially applied to developing countries? Will there be any cost burden to end-users, or other Internet business entities in less developed countries and economies?
- Are there any roles for the Internet Community to help alleviate these extra burdens?
- What are the roles of governments to ensure the public interest, especially for the end users before and during transition?
- What are the general timelines to work under?

Agenda and Reference are also listed at the following URL:

https://st.icann.org/ipv6-migration/index.cgi?23_june_2008

- Full Report of the Study Group on Internet's Smooth Transition to IPv6
- Summary of the above Report
- OECD Report on IPv6