

Moving to IPv6: Challenges for Internet Governance

1. TITLE OF PROPOSED WORKSHOP:

Moving to IPv6: Challenges for Internet Governance

2. CONCISE DESCRIPTION:

In February 2011 IANA officially announced the exhaustion of its IPv4 addresses pool. This represented that there were no more space IPv4 available for the Regional Internet Registries. Two months later, in April 2011 APNIC announced the implementation of his last /8 policy. This APNIC policy officially started a period of tight management of IPv4 resources allowing only a final limited space allocation to current Asia Pacific operators and guarantee a small IPv4 block for newcomers focusing in allow them to have a smooth transition to IPv6. According to the current consumptions rates is expected that RIPE serving Europe and Middle East region will also implement his last /8 policy in some moment during 2012. The adoption of IPv6 by network operators has been discussed extensively at previous IGFs, but with the imminent exhaustion of the IPv4 address pool, the focus on the Internet governance implications of this issue has intensified. The NRO recognizes that the adoption of IPv6 is the only way to allow Internet to continue to grow, without very major change to its architecture. In order to facilitate the adoption of IPv6 different sector and groups need to coordinate efforts to allow a stable transition to IPv6. This workshop will examine the importance of globally coordinated administration of Internet number resources, possible scenarios for future management of the IPv4 address space, and strategies for progressing the global adoption of IPv6.

3. WHICH OF THE SIX BROAD IGF THEMES DOES YOUR WORKSHOP FALL UNDER?

Managing Critical Internet Resources

3A: WHICH MAIN SESSION QUESTION(S) DOES IT ADDRESS (IF ANY)?

This workshop will provide perspectives on the following questions:

Question 3: What IG choices, best practices and technical and policy challenges impact the migration of resources starting to run over IP, migration of resources?

Question 4: What policy dialogues in international forums could impact these migrations? For example, what, if any, implications are there from the ITU World Conference on International Telecommunications (WCIT) and its review of the International Telecommunications Regulations? What changes in this binding set of Treaty-level regulations could impact the future development of the Internet?

Question 5: What new developments pose specific new policy and technical challenges? (specifically IPv6)

Question 6: With respect to multistakeholder accountability mechanisms, such as the AOC at ICANN, what are the results of such efforts, and what are the consequences for other CIR organizations?

QUESTIONS FOR FEEDER WORKSHOPS:

Question 1: What are the effects of jurisdiction and territoriality on the ongoing discussions about critical internet resource coordination?

Question 2: What is the relationship of the multi-stakeholder accountability mechanisms and the overall goal of enhanced cooperation?

Possible Speakers:

Mr John Curran – ARIN -Americas

Dr Milton Mueller – Stanford University – United States

Ms Salanieta Tamanikawaimaro – Pacific Island IGF – Pacific Islands

Martin Levy – Hurricane Electric – America/Europe/Asia

Jordi Palet – 6DEPLOY - Europe

Christian O'flaherty – ISOC – Latin America