**APrIGF Seoul 2013**

**Workshop Summary Reports**

**Workshop Title**

**: Large-Scale IPv6 Technology Deployment – From Millions to Billions**

[**http://2013.rigf.asia/workshop-proposal-4/**](http://2013.rigf.asia/workshop-proposal-4/)

Date: 09/05/13

Time: 9:30-13:00

Track: Access

Moderator: Kilnam Chon

Panelist

: Xing Li, CERNET

Ichiro Mizuguchi, NTT

Dr. Byoun-Joon Lee, Samsung

Geoff Huston, APNIC

Second panel moderator: Paul Wilson, APNIC

This workshop consisted of three presentations, one keynote speech, and a panel discussion session. The aim of the workshop was to learn about large scale IPv6 deployment in Asia, review the current IPv6 deployment status, and discuss how we can further increase momentum on IPv6 deployment in the Asia Pacific region. Xing Li presented the CERNET2 IPv6 deployment story, and challenges that China’s three major telecom operators are facing while deploying IPv6. Ichiro Mizuguchi shared IPv6 deployment in NTT Flets networks, challenges experienced, and some technical recommendations while deploying IPv6. Dr. Byoun-Joon Lee presented IPv6 readiness of Samsung mobile devices, and the most recent IPv6 transition technologies, 464XLAT, which is gaining attention from mobile network operators.

Geoff Huston provided an overview of the current IPv6 deployment status by comparing historical data of IPv6 deployment statistics. Mr. Huston concluded IPv6 deployment is not happening everywhere, nor all at once, however; he emphasized that we have started to observe some economies taking the lead such as the US, Japan, Germany, and Singapore, as well as some individual networks such as AT&T, Comcast, KDDI, Chubu Telecommunications, Mobileone and so forth, referring to data provided by labs.apnic.net. Mr. Huston pointed out positive impact of two World IPv6 Launch efforts toward recent increase of IPv6 deployment.

Paul Wilson chaired the final panel session with the above listed all speakers to explore possible measures to support further deployment IPv6 with a robust exchange of opinions among speakers and audience participants. Participants shared the view on the importance of continuous collaboration between the public and private sectors. Participants also noted a need to encourage mobile network operators to make a conscious decision in preparation of their networks for LTE by considering IPv6 deployment. Paul Wilson concluded the session by emphasizing importance to maintain open and transparent Internet with deployment of IPv6.