

Good afternoon to all. A pleasure to be here today.

Prior to my agendas I would like to mention the generosity of APNIC for inviting me as guest to this once in a year event happened within Asia Pacific, the APRICOT. Many thanks to my manager in Covanta Energy, where I work full-time, for allowing me to participate. The opportunity ISOC has given to the Philippines Chapter, I truly can only say appreciates it very much.

For a few minutes, I will be sharing and talking about the advocacy of The Philippines Chapter of the Internet Society.

Many of us have heard or read enormous information about the Internet and computer networks from its very conception up to this moment. Enough about it. Now it has become capable to do powerful task with the use of converge digital communication facilities, dissemination of good and bad news, educate kids even at a very young age, work from home, keeping track of our friends and love ones, businesses in every corner - to name a few. All of these things are possible now with a careful and strategic utilization of the Internet.

We are now moving forward to the adoption of IPv6, this may or may not be a very interesting stage of the Internet especially end-users, us, and businesses however we must support it and see to it all stakeholders give their share in order to extend the longevity of this greatest tool of the humanity. Internet evolves very fast and users especially masses are just starting to go through it and feel the importance of its existence and usefulness.

The Internet model, I just would like to say a little, simple as you can see, yet shows that every entity has a fair contribution including individual, schools, businesses particularly governments. It only mean, this truly are serious that, "The Internet is for Everyone". However, we can only achieve this noble idea if all stakeholders work together and come or share a common goal and objective.

The Internet no longer just applied or developed within our planet Earth, there have been initiative to expand getting off to Mars that will interconnect interplanetary Internet, in not a long period of time if become successful we will be able to see what the other planet looks like through the Internet.

The Internet becomes not only a primary driver for the economy and businesses anymore, it can even be an inspiration by the next generation to innovate more, advance learning and alleviate poverty in the world. Like the UN is benefitting from the presence of the Internet with their onlinevolunteer program and Wikipedia is the largest online encyclopedia ever and is continuously being provided for free to everyone.

Many businesses in different industry in the country and the world can keep up on their mandate whenever they branch out in China, India, Europe, U.S. and more or from those countries coming to the Philippines. Accordingly, through Internet, financial transaction and investment can go fast

and can make any country the richest or poorest in the world with just a click of a mouse. Big or small enterprises can now reach out to other country and do business of any form like partnership, business process outsourcing and others. All of these events are happening expeditiously because of the Internet.

Through social networking sites and mobile phones with the capability to access the Internet particularly 3G and HSDPA, Filipinos are starting to get in touch closely again with their love ones living abroad.

Accordingly, the Internet will continue to be an economic driver in the world and the Philippines. The receptiveness of the country to Internet stakeholders including service providers, businesses and end-users continue to harness and adopt new technologies to compete to the world in terms of the utilization of the Internet. Cellular operators seems to continuously building and improving their reach not only within cities now, go to the north, south and you can still access the Internet. The Philippines is known to become the “text capital of the world”, and there are 53 million users of mobile phones recorded in 2007 alone. Imagine these 53 million using a 3G or HSDPA phone and can access the Internet?

With the Internet, you can now finish your degree even without attending school and attend conferences and trainings without leaving home. A few universities in the country have made mixture of courses online from bachelor to post graduate degrees and they are still growing.

However there are concerns about the use of the Internet that it can be used for extremism and the likes, accordingly, governments, international organizations, pundits and researchers are working non-stop to make the place even more secure and stable for even a kid or new user.

The IPv6 or ngIP was all about idea until the first specification or RFC 1883 has been released to the Internet community in 1995 then it became obsolete with the current which has been formally accepted in 1998, the RFC 2640.

There is certainly an exponential increase in numbers of IP addresses and accordingly can augment the life of Internet for more decades to come.

Few advantages of the IPv6 over 4 are jumbograms or jumbo payload, provides the means of specifying such large payload lengths and relevant only to IPv6 nodes that may be attached to links with a link MTU (link MTU is the upper limit to size of the packets that could traverse a link, and path MTU is the size of the largest packet that could go unfragmented from one node to another) greater than 65,535 octets. It carries a 32-bit length field in order to allow transmission of IPv6 packets with payloads between 65,536 and 4,294,967,295 octets in length. In IPv4 this is limited up to 64KB of payload only. Accordingly, the use of jumbograms may improve performance over high-MTU networks.

A highly useful aspect of IPv6 is its ability to automatically configure itself without the use of a stateful configuration protocol, such as Dynamic Host Configuration Protocol for IPv6 (DHCPv6). Address autoconfiguration can only be performed on multicast-capable interfaces. A

Router Advertisement message is indicated whether a stateful address configuration protocol should be used.

Looking through Internet the AP activities, there is strong indication that IPv6 has been considered, accordingly, as a national interest and a long term economic advantage. Accordingly, planning and discussions started a few years ago and countries like Japan and Malaysia, to name a few, have laid out roadmap for their IPv6 infrastructure when it is going to be fully operational or completed. Though just recently re-chartered, one of ISOC.PH goal is to create an open dialogue among stakeholders of the Internet in the Philippines and will push that a working group be created to assist in all Internet related activities including how IPv6 in the country is being perceived and supported. The continuous participation of designated member, if any, in the Philippines to the IPv6 Forum is a good sign that the country is not behind in all these concerning the adoption of the next generation Internet protocol. However, AP-IPv6-TF seems to be not updated since the middle of 2007 and PH accordingly has not participated or not created its own IPv6 task force. Accordingly, Japan has established alliance with Europe and moving as a juggernaut to primarily drive the NG Internet and foster deployment worldwide. Accordingly, the PHOPENIX is being supported and shared to numbers of ISP's and it is open to all prospective members to connect at the same time encourage the Philippine Internet community to join, continue to take further steps toward the development and improvement, if any, the infrastructure to compete with other countries' effort like the U.S., Japan, Malaysia and many others who have already taken the lead.

There is a good tolerance in the Philippines when it comes to innovation not only the continuous development and promotion of good netizenship but also how Internet is being augmented for the masses to use and benefit from it. Through the Internet, Filipinos can send money, pay bills and do bank transactions with the use of text messaging. Though mobile phones have limited capabilities compared to computers, one of the most important thing, in my case, is that I can check my email, still read news using RSS feed to name a few. There have also been a dramatic adjustment on cost and access to the Internet through mobile phones is no longer that expensive. Many have said including rich countries and international organizations that the early adoption of IPv6 is apparent and will continue to drive economy worldwide.

Despite the present world economic situation, accordingly, organizations need to maintain and continue to foster innovation particularly taking IPv6 in their agenda, failure to adopt it will have more subtle and effect is unnoticeable, however, in a long term, the consequences is said to be more significant.

One country will not be able to hop the Internet economy if it fails to adopt IPv6 sooner. Where a dynamic market competition, accordingly, will be rampant and information such as announcement of competitive unique services, its cost and advertisement can propagate to the world in just a matter of seconds.

The APNIC, one of the five RIR's, urges Internet stakeholder to adopt IPv6. RIR primarily manages the Internet address spaces serving their own jurisdiction and APNIC, accordingly, has

the second largest IPv6 allocation when it comes to sizes and numbers. A strong indication that countries within AP are growing and actively supporting the activities and deployment of the next generation Internet. AP means, Philippines is one of them.

It has also been mentioned that continuous utilization of the IPv4 might be more expensive particularly for individual users due to many reasons, one is, there will be scarcity of IPv4 addresses and those who were able to get a large amount may sell it very costly, another is, an IPv4 underground economy will emerge. However, there has to be a better option and that is to join as early as now with the leading adopters to collaborate and start creating an IPv6 plan.

IPv6 is supported by international organizations and developing countries.

The results of all studies and researches conducted, conclude IPv6 is a priority for all entities to take it sooner not to hamper the continuous and free flowing of information.

If not seen yet, allow me mention an OECD ITO highlights for 2008 where “government online, government as model users” and “broadband” got the highest rank in the top ten ICT policy priorities. We at ISOC.PH would like to bring this message to all of us, the Philippine Internet stakeholders, to diligently plan and collaborate non-stop to bring IPv6 and make it including resources and guidelines continuously improve and easily available to all prospective users in the country.

Collaborate through -Internet Society (<http://www.isoc.org>) -Government agencies in related causes and policy making bodies -Individual and businesses -Forums, public discussions and dialogues -Continuous advocacy for the responsible use of Internet and due diligence to the adoption of IPv6, sharing resources and information equally to current and prospective members

SII - The Internet is for everyone, and we in ISOC.PH encourage every Filipino to join us and make a say to the Internet community.