GAC Meeting with the ASO

Session 8

Session Objective

In light of the GAC's interest in meeting with the various ICANN community groups, the committee appreciated the suggestion made from several GAC members to meet with the Address Supporting Organization (ASO) and Number Resource Organisation. This session will enable both groups to get to know each other better and foster future collaboration on matters of common interest, in particular the global challenge of deploying the IPv6 protocol, whilst dealing with the scarcity in IPv4 address space.

Background

Established in 1999, the ASO is one of ICANN's three Supporting Organizations (SOs). The organization reviews and develops recommendations on Internet Protocol (IP) address policy and advises the ICANN Board on policy issues relating to the operation, assignment, and management of IP addresses.

As per the ICANN ASO Memorandum of Understanding (MoU) between ICANN and the world's five Regional Internet Registries (RIRs), the Number Resource Organization (NRO), as the coordinating body for the RIRs, fulfills the role of the ASO.

The ASO does not develop policy relating to Internet number resources itself but rather ensures that the Global Policy Development Process (GPDP) has been correctly followed in each RIR region.

The Regional Internet Registries (RIRs) are responsible for the management of Internet Number Resources, including IPv4 and IPv6 addresses, in their respective regions. They operate under a set of regionally developed and maintained policies.

The domain name industry, both at global and national level, have addressed the issue of promoting IPv6 in various ways. This includes policy measures to encourage or even require IPv6 support at the level of the DNS. Several registries have also experimented with financial and commercial incentives to expedite the deployment of IPv6.

Agenda

For ICANN79, the GAC expressed interest in topics on IPV4 and IPV6.

IPV4 transfer policy

The committee would appreciate the ASO's input on the effectiveness of the current IPv4 transfer policy market on redistributing IPv4 addresses and allowing for interested parties to come to an agreement. In relation to this, the committee would also appreciate some insights in the volume of address transfers taking place, especially in between regions.

IPv6 deployment

The GAC expressed interest in understanding how effective the current (public) policy measures are in promoting IPv6 adoption. The GAC will present some of the public policies used to encourage IPv6 adoption, after which the ASO is invited to share their views on the effectiveness of these efforts. Subsequently the members of both committees will have the opportunity to share views on whether there are options for further (public) policy measures that might help accelerate the roll out of IPv6 globally.

Capacity Development Workshop

Please note that ahead of this discussion, a CDW session will address the role and function of the ASO and RIRs in managing the global pool of IP address resources.

Current Status and Recent Developments

The current state of IPv6 deployment is measured by several groups. One of these reference points is maintained by APNIC, the Regional Internet Registry for the Asian Pacific region. They measure IPv6 deployment globally. Current deployment data is available via IPv6 Measurement Maps (apnic.net)

The 2012 Applicant Guidebook asked applicants to describe their IPv6 readiness.

Key Reference Documents
- ICANN's IPv6 Initiative - ICANN

- IPv6 - ICANNWIki

- Internet Assigned Numbers Authority (IANA) Policy For Allocation of IPv6 Blocks to Regional Internet Registries | (Ratified 7 September 2006) - ICANN

- Global Policy for Post Exhaustion IPv4 Allocation Mechanisms by the IANA | (Ratified 6 May 2012) - ICANN

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