

# **NANOG Panel Discussion**

---

**Dan Alexander**  
**Comcast Cable**

---

**10/19/2009**

---

# Implications of the ARIN transfer policy

---

# Transfer policy

- This policy enables the transfer of IPv4 resources between organizations, maintaining the need-based assessment and registration by ARIN.
- Transfers enable new entrants to continue to obtain IPv4 resources after IANA has allocated available resources.
- The primary goal of the transfer policy is NOT intended to perpetuate the use of IPv4.

# Resource transfers are not a long term solution

- Transfers are likely to be of little benefit to large ISPs.
- Some estimate an equivalent of six /8s as the amount of “idle” resources that could be transferred. Given the current allocation rates of the RIRs this would amount to about six months of global growth.
- An ISP’s economic interests are likely best served in retaining their IPv4 resources to enable IPv4 connectivity for their subscribers. Therefore, it is unlikely that an ISP would relinquish their IPv4 resources until they are no longer needed.

# IPv6 is the long term solution

- IPv4 resources do not scale given the number of devices joining the Internet that would benefit from a unique IP address.
- Even if Comcast were able to take advantage of the transfer policy, it would not change our course of deploying IPv6.
- IPv6 is the long term solution.