2007-21: PIv6 for legacy holders with RSA and efficient use

2007-21: The Problem

- Current policy provides a mechanism to get an IPv6 PI assignment only if you qualify for an IPv4 /22 assignment.

- Many networks have legacy /23 and /24 assignments, but don't qualify for a /22.

- Without changes in policy, such networks are discouraged from adopting IPv6, as they lose provider independence by doing so.

2007-21: Other Considerations

- Most legacy assignments are not yet covered by an RSA.

- Some legacy assignments may not be efficiently utilized.

2007-21: The Proposal

Change NRPM section 6.5.8.1 (Direct assignment criteria) to read:

To qualify for a direct assignment, an organization must:

1. not be an IPv6 LIR; and 2. qualify for an IPv4 assignment or allocation from ARIN under the IPv4 policy currently in effect, or demonstrate efficient utilization of a direct IPv4 assignment or allocation covered by a current ARIN RSA.

2007-21: Rationale

- Stop discouraging IPv6 adoption by early IPv4 adopters
- Encourage efficient use of legacy space and return of unneeded space
- Encourage adoption of Legacy RSA

2007-21: Staff Comments

- "The title uses the words "legacy holder" which is never mentioned within the policy text."

- This is intentional: the title is descriptive, whereas in the policy text, I simply broadened the existing conditions (to cover legacy holders as well as anyone who already received PI space from ARIN), rather than creating a special-case conditional for legacy holders.

2007-21: PIv6 for legacy holders with RSA and efficient use

Questions/Comments?