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 all direct IPv4 assignments and allocations, each of which must be 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: History

- Presented at ARIN XX in Albuquerque. A loophole was identified and fixed during the presentation, and consensus for the proposal was demonstrated.
- During last call, the loophole was closed further, resulting in the current text.
- These changes were not included in the version forwarded to the Board, so the Board remanded the proposal back to the AC.
- The AC revised the proposal to reflect the change made during last call. Due to the changes, we're back here to make sure there is still community consensus for the policy proposal.

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Questions/Comments?