2014-04: Relaxing IPv6 Requirement for Receiving Space from the Final /8

Aleksi Suhonen (Axu TM Oy)

Martin Pels (AMS-IX B.V.)

Current policy (IPv4 last /8)

- Ripe-606 5.1 Allocations made by the RIPE NCC to LIRs

"Allocations will only be made to LIRs if they have already received an IPv6 allocation from an upstream LIR or the RIPE NCC."

Current policy (IPv6)

- Ripe-589: 7.1 IPv6 Provider Independent (PI) Assignments for LIRs

"If an organisation already received a PI assignment before becoming an LIR, the PI assignment should be returned upon receiving an IPv6 allocation if there are no specific routing requirements to justify both."

The problem

- LIR requesting IPv4 space from last /8

(Has IPv6 PI assignment, no PA allocation)

- Ripe-606: Request IPv6 PA allocation

→ *LIR doesn't need this space!*

- Ripe-589: Receive IPv6 PA, must return PI

→ *LIR now has to renumber all their IPv6!*

Proposal: Adjust ripe-606

- *Allocations will only be made to LIRs if they have already received an IPv6 allocation from an upstream LIR or the RIPE NCC.*

+ *Allocations will only be made to LIRs if they have already received an IPv6 allocation **or IPv6 Provider Independent (PI) assignment** from an upstream LIR or the RIPE NCC.*