

RIPE

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Keep IPv6 PI When
Requesting IPv6 Allocation

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2015-02: Policy Proposal

IPv6 policy 7.1 contains:

“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.”

Proposal: remove this hurdle for IPv6 deployers!



Scope And Impact

- ~1,700 non-LIR PI assignment holders
- Need PA Allocation if need to connect customers
 \3rd party end sites
- Renumbering PI costs time and effort
- Org may have to consider alternatives – IPv4?



Reason This Statement Exists

Reduces RT size?

Seems short sighted, as:

- Scope under 1.7k
- Alternative for these orgs (IPv4) may see more RT entries!
- Increasing fragmentation of IPv4 announcements more of an RT threat



Removing The Statement..

Order of requesting IPv6 will change the outcome

- Sequence a: PI as non-lir, then request Allocation -> qualifies
 - Sequence b: org first gets allocation -> only qualifies for PI if different routing requirements
- Will mean resources distributed based on need
- Keeps RT in check



Questions?

