REVISED IPV4 ASSIGNMENT POLICY FOR IXPS

A POLICY PROPOSAL DRAFT

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CURRENT POLICY

- There is a reserved /16 pool of IPv4 for IXPs

- IXPs can get a single block, ranging from a /24 to a /22

- Any unused assignments from IXPs will be returned to this pool

CHANGES

- Textual cleanup

- Increase the reserved pool to a from a /16 to a /15

- Reduce the maximum assignment to a /23

- Reduce the minimum assignment to a /27

- The default assignment stays a /24

RATIONALE

- The original policy dates from 2012 – since then, about half of the pool has been used

- Globally routable is less of a concern for IXP assignments

- We'll need globally unique IPv4 for IXP purposes for a long time

- Existing assignments are safe

ARGUMENTS AGAINST

- It no longer provides for large IXPs (> /23)

- It moves depletion of the free pool forward by about a week