

Default IPv4 assignment size for IXPs

2019-07

Remco van Mook

Oops.

That said, having seen the arguments and numbers, I will personally commit to drafting a policy proposal to change the default IXP location size to something smaller (/25, /26, /27?) once the process on the current proposal has been concluded.

(With apologies to Radu for stealing his thread to reply)

Kind regards

Remco van Mook

Last week

Marco Schmidt [mschmidt at ripe.net](mailto:mschmidt@ripe.net)

Thu Oct 10 12:02:30 CEST 2019

Dear colleagues,

Consensus has been reached on 2019-05, "Revised IPv4 assignment policy for IXPs".

This proposal aimed to increase the reserved IPv4 pool for IXPs to a /15 and finetune assignment criteria.

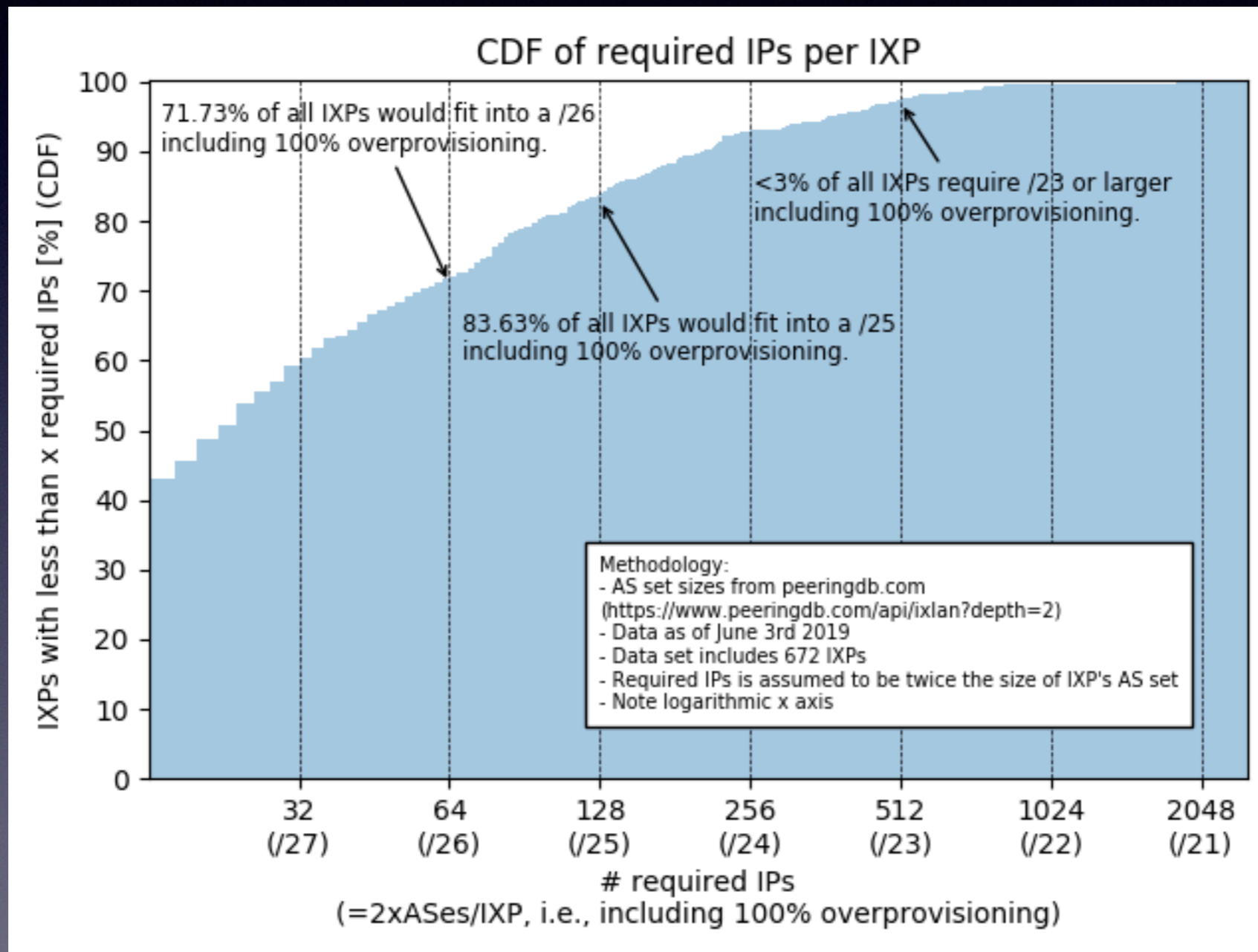
Proposal

- Minimum (and default) assignment will be a /27
- Anything larger will be needs based, with a 2 year window.

Arguments in Favour

- Drastically reduces the consumption rate of the IXP pool
- Over 50% of IXPs don't need more than a /27 anyway

Research by DE-CIX



Arguments Against

- Anything smaller than a /24 is likely to be filtered; that also means well known communities like 'NO EXPORT' also get filtered
- Risks of leaks and black holes as a result