RFC6382

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RFC6382

- Not my idea!!
- Suggest the use of unique source ASN for Anycasted services
- To identify origin instance
- To help debugging
- To enable per instance ROAs

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> In order to be able to better detect changes to routing information associated with critical anycasted resources, globally anycasted services with partitioned origin ASNs SHOULD utilize a unique origin ASN per node where possible, if appropriate in their operating environment and service model.

RFC6382 cont.

Globally anycasted resources, in particular, those associated with critical infrastructure-enabling services such as root and TLD name servers,SHOULD warrant special consideration with regard to AS number allocation practices during policy development by the constituents of those responsible organizations (e.g., the Regional Internet registries). Additionally, defining precisely what constitutes “critical infrastructure services" or "special consideration" (e.g., some small range of 32-bit AS numbers might be provided) is left to the constituents of those organizations. Additionally, critical infrastructure employment of 32-bit ASNs for new nodes might well help to foster more rapid adoption of native 32-bit ASN support by network operators.

2.0 Assignment Criteria

In order to help decrease global routing complexity, a new AS Number should be used only if a new external routing policy is required, see RFC1930.

A network must be multihomed in order to qualify for an AS Number.

When requesting an AS Number the routing policy of the Autonomous System must be provided. The new unique routing policy should be defined in RPSL language, as used in the RIPE Database.

My take

- We have three options

1. Tell the IETF they have nothing to do with Assignment policy :)
2. Update RIPE-525 and allow for assignment for Anycast
3. Assume that RIPE-525 already allows for this

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