Staff Assessment: Multihoming not required for ASN - v2

Proposal	**AFPUB-2019-ASN-001-DRAFT02**
Title	**Multihoming not required for ASN**
Proposal URL	https://afrinic.net/policy/proposals/2019-asn-001-d2#proposal
Assessed	**07 August 2019**

1.0 Staff Understanding of the Proposal

a. The proposal aims to remove/ease the current requirement in CPM 7.4 that in order to qualify for an ASN, a requester be multi-homed or have a "unique routing policy", on the basis that the current ASN policy was passed when reliability of networks was not so good as today, and that back then, it made sense that an AS be multi-homed.

b. The proposal suggests that today, multi-homing is not necessarily a reasonable requirement, since in some cases, some networks may require an ASN but are not willing to be multi-homed (due to costs or remote locations that have only a single upstream) and whose SLAs may not specify redundancy.

c. The criteria for an ASN request are proposed as follows:

> i. *In order to qualify for an AS number, the requesting organization must fulfill one of the following requirements:*
> - *A unique routing policy or*
> - *Interconnection with one or more other ASNs which requires a globally unique ASN.*
>
> *An organization will also be eligible if it can demonstrate that it will meet any of the above criteria upon receiving an ASN (or within the following six months).*
>
> ii. *Sites which do not require a unique AS Number should use one or more of the AS Numbers reserved for private use. (64512 - 65535 and 4200000000 - 4294967294 (RFC1930, RFC6996 and possible future updates)).*

2.0 Staff Comments

a. Although text references to RFC1930 (present in v1) were removed in v2, the proposed content still does not align with the provisions of RFC1930.

b. If this policy proposal is implemented, there could be an increase in the consumption rate of ASNs given the new looser requirements. However, we (and all other RIRs) have since transitioned to assigning ASNs from a general 32-bit ASN pool (which is about 4.3 billion ASNs large), therefore the anticipated increase of the ASN consumption rate is unlikely to be a problem or concern for the foreseeable future.

3.0 Legal Observations

None

4.0 Implementation:

4.1 Timeline & Impact

The proposal will be implemented within the timelines provided for in the PDP. No impact to AFRINIC is foreseen.

4.2 Implementation Requirements

a. Updates to internal request evaluation processes and checklists.

b. Updates to the ASN request form on MyAFRINIC and the new member request portal.

c. Publishing updated documentation related to ASN Resource Requests on the AFRINIC website