# IPv6 Subsequent Allocation Criteria Change Informal Proposal

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# Problem description

There are LIRs with more than 1 ASN.

Having only one initial allocation of IPv6 (/32), before reaching proper HD-ratio, those LIRs cannot get another IPv6 prefixes to advertise under their other AS to implement their routing policies.

Having only one initial allocation of IPv6 (> /32), those LIRs cannot legally deaggregate it to smaller ones (up to /32) to advertise under their other AS to implement their routing policies

# Current Alternatives

- advertising parts of initial allocation under different AS and risking being filtered out (filtering based on /32 or at least on published Longest Prefix Tables; See RIPE-404 - it exists ;-) )
- setting up new LIR and requesting initial allocation, then advertising it under another AS (doesn't make sense to artificially create new LIRs only to get new addresses)

# Proposal

Change IPv6 Assignment and Utilisation Requirement Policy to allow LIRs having more than 1 AS:

- to get more than one IPv6 prefix before reaching proper HD-ratio (total number of IPv6 prefixes equals number of AS allocated to that LIR)
- to deaggregate their allocation(s) legally to smaller ones (still >=/32)

# Advantages of proposal

- much easier for LIRs to implement their routing policies based on different AS
- promoting IPv6
- conservation is not a (primary) goal anymore (comment from the floor on RIPE-53)
- eliminates policy workarounds

# Disadvantages of proposal

- routing reason
- quicker growth of the routing tables
- possible abuse

# Questions, ideas, feedback?

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