



**RIPE
NCC**

Feedback from RIPE NCC Registration Services

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- To report back to the RIPE community:
 - The feedback that we receive from LIRs
 - Highlighting potential problem areas
- Asking for guidance on these topics
- Providing input to the community for policy discussion

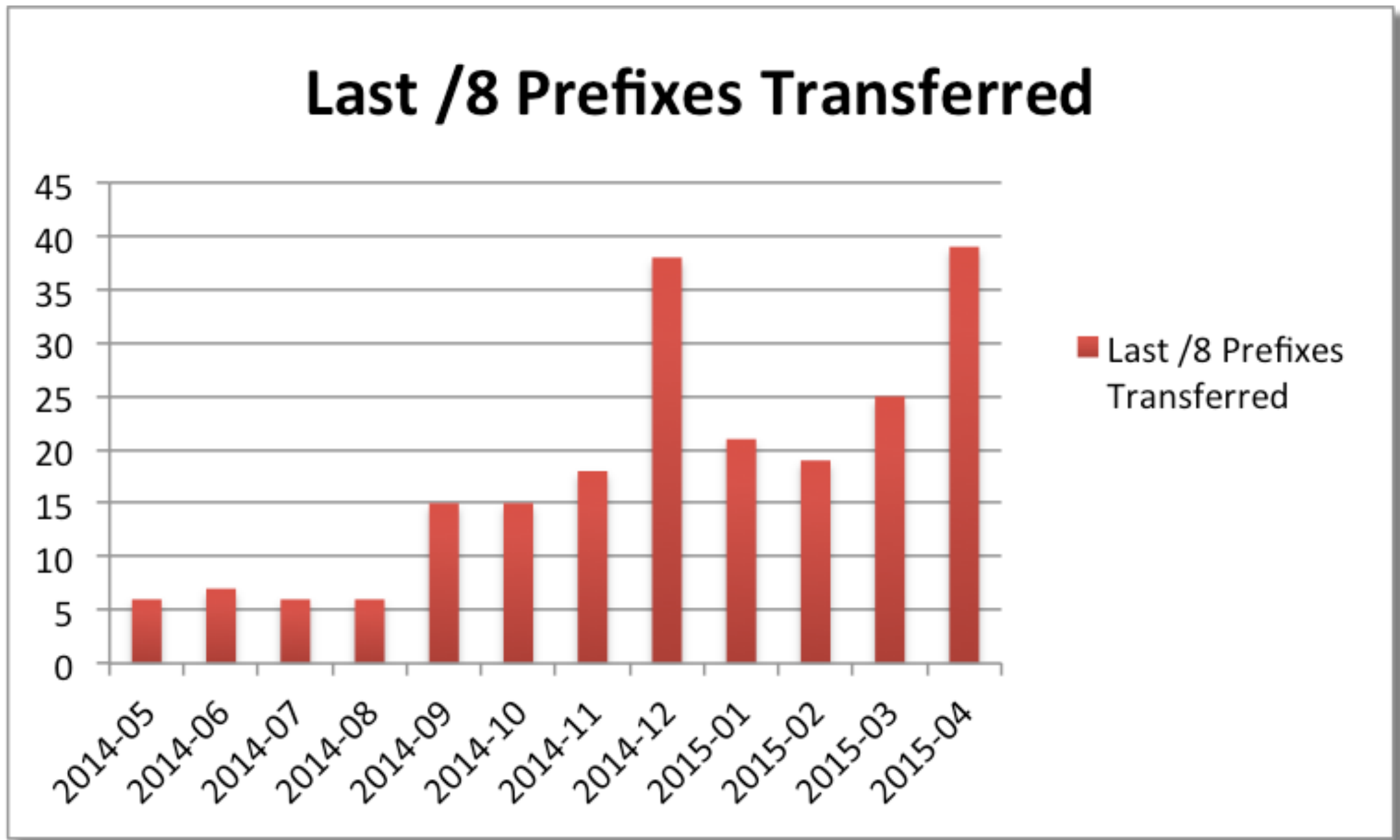
- Multiple /22s
- Large IPv6 allocation requests

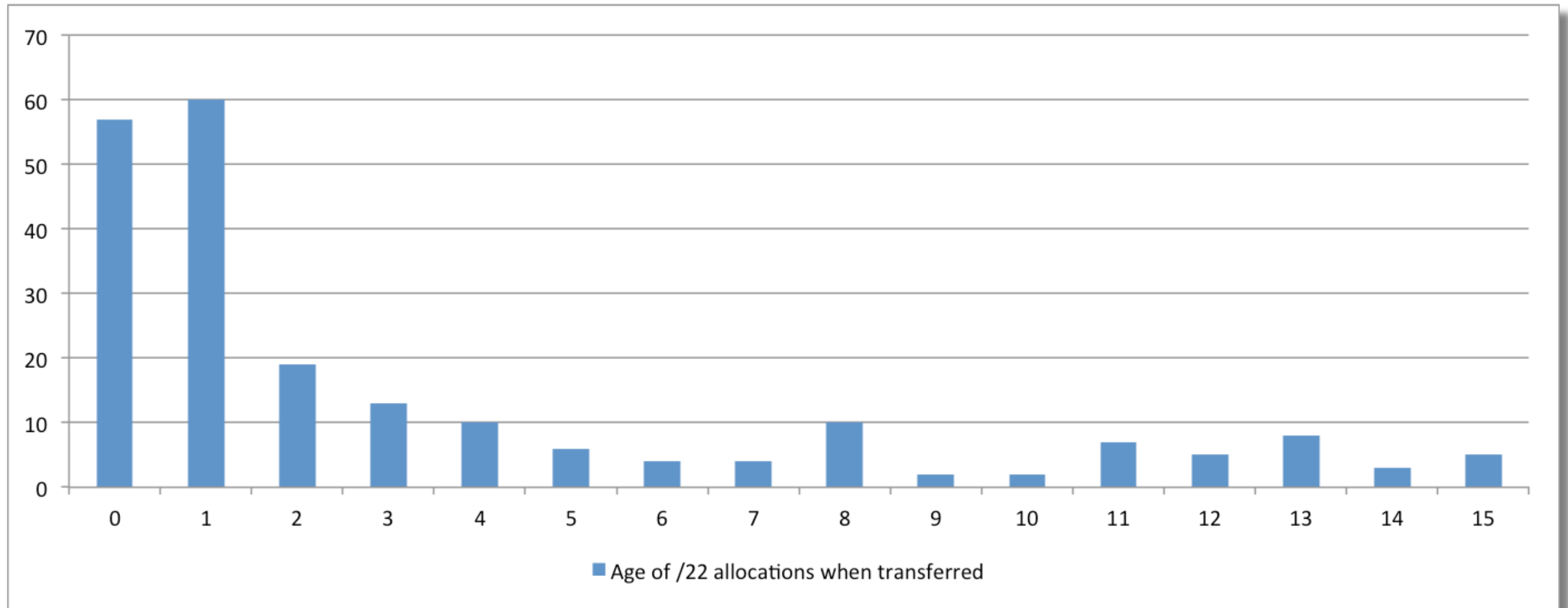
“The sum of all allocations made to a single LIR by the RIPE NCC after the 14th of September 2012 is limited to a maximum of 1024 IPv4 addresses”

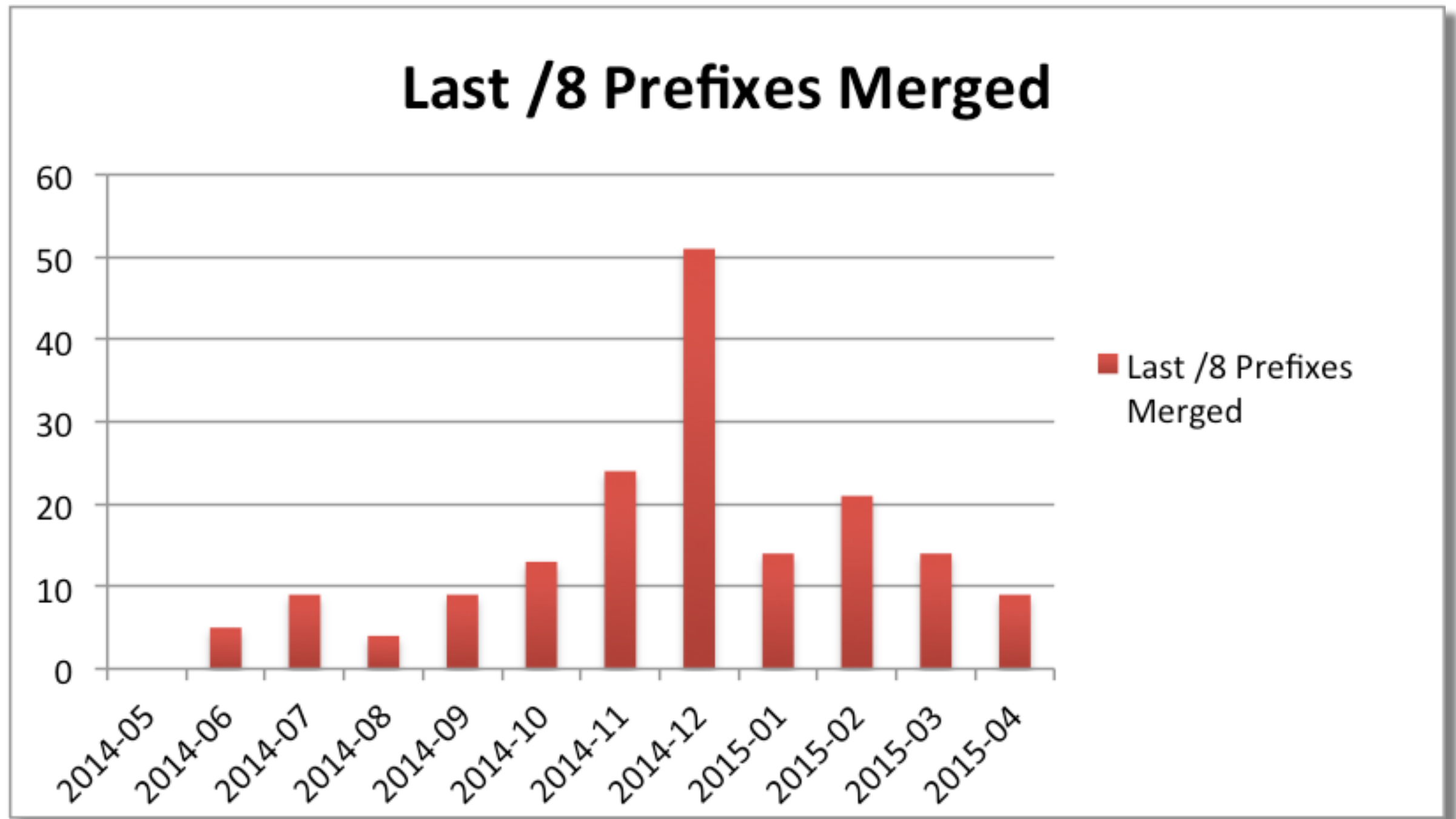
- Last /8 RIPE NCC impact analysis
 - Policies and procedures would allow organisations to open multiple LIRs and receive multiple /22
- Last /8 policy proposal rationale
 - *“The RIPE NCC must be vigilant regarding these but the authors accept that it is hard to ensure complete compliance”*

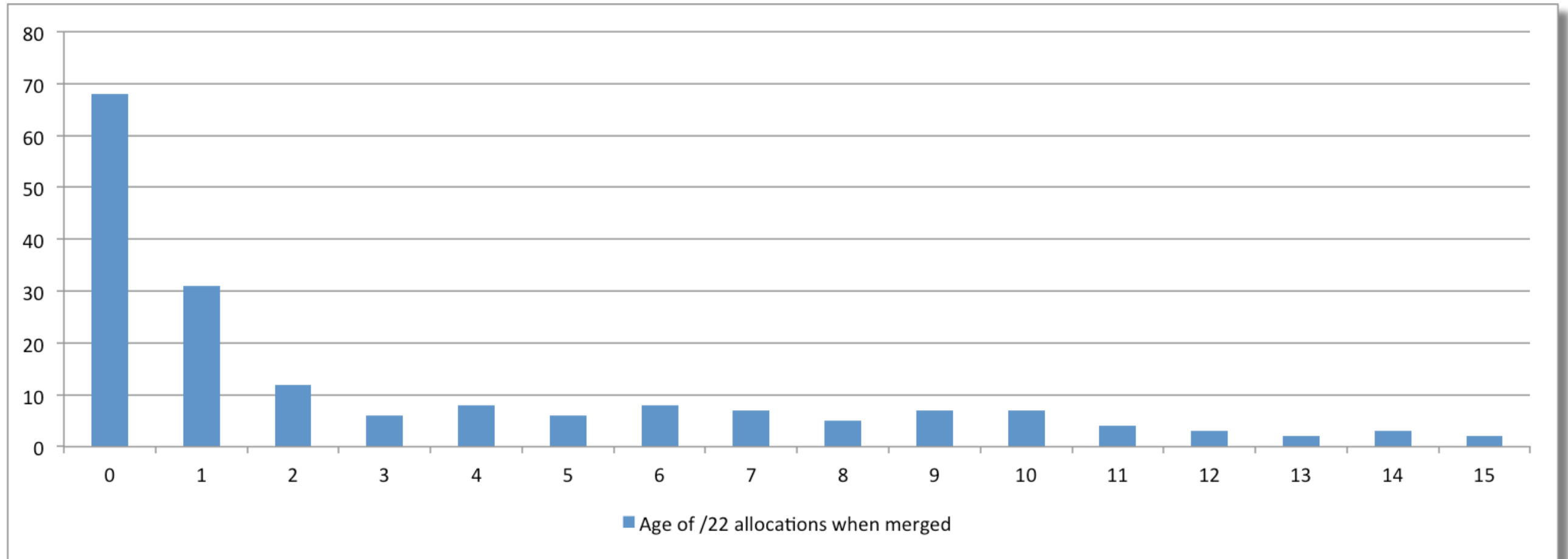
- Organisations are opening multiple LIRs
- /22s are quickly transferred and the LIR closed
- This is technically possible, but against the “spirit” of the last /8 policy
- \pm 70 confirmed cases at the time, but we saw it was a growing trend

| Number of LIRs | Number of /22s held |
|----------------|---------------------|
| 1 | 25 |
| 1 | 13 |
| 1 | 11 |
| 3 | 7 |
| 1 | 6 |
| 9 | 5 |
| 10 | 4 |
| 39 | 3 |
| 159 | 2 |
| 5685 | 1 |



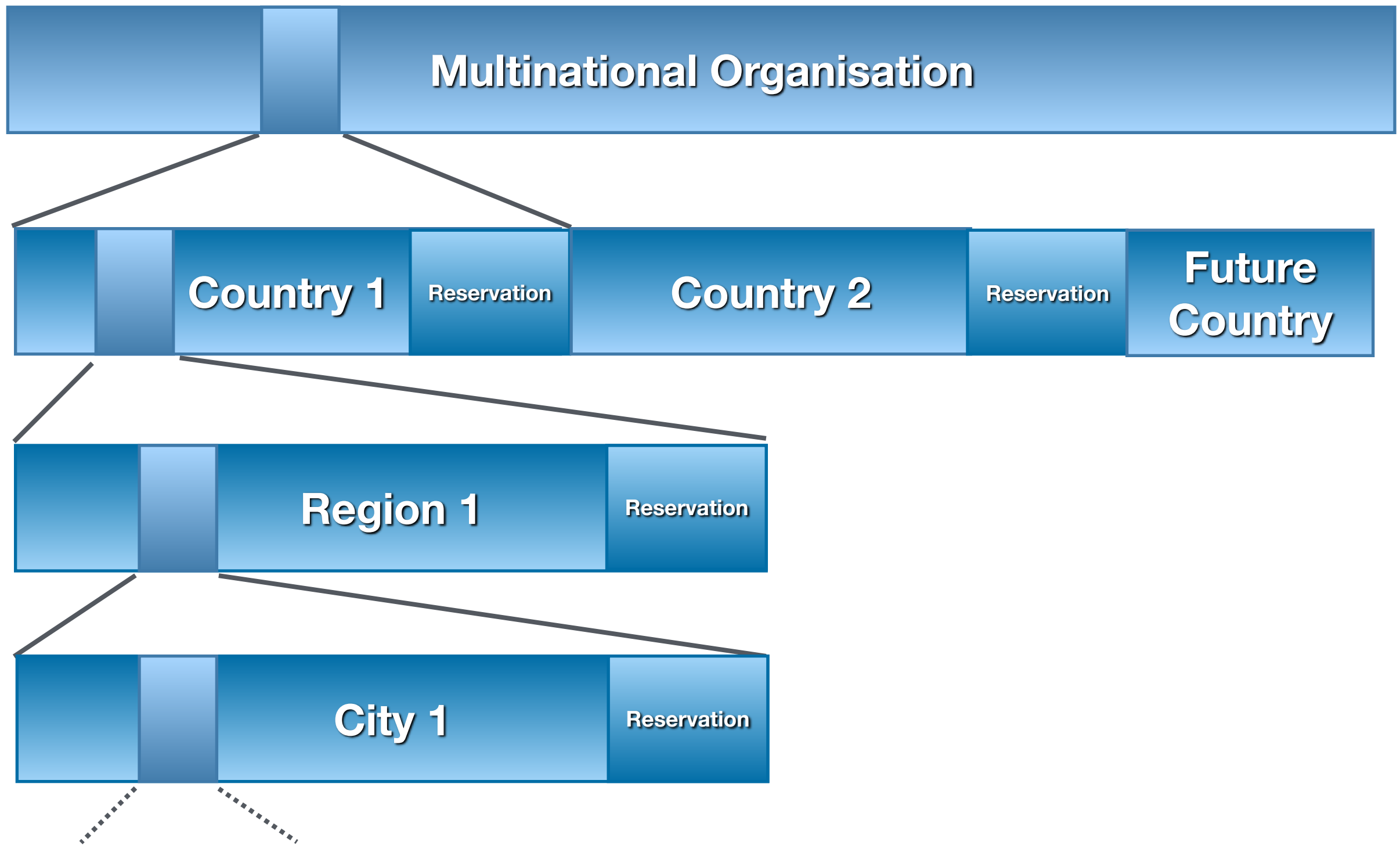






*“Organisations may qualify for an initial allocation greater than /29 by submitting documentation that reasonably justifies the request. **If so, the allocation size will be based on the number of existing users and the extent of the organisation’s infrastructure.**”*

- Increase in requests larger than the “standard” /29
- Good documentation provided, serious plans
- ± 20 requests could not be approved due to current policy
 - ± 10 finally accepted a smaller IP block than requested
 - ± 10 are still in the request process
- IPv6 allocation policy does not consider extra address space for future growth or multi-level hierarchical address concepts





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