# ARIN-2014-12
# Anti-hijack Policy

# Context

- Proposal prompted by presentation at NANOG 60 "Understanding IPv6 Internet Background Radiation"

- With an LOA from each RIR, the project announced covering /12s for each RIR's IPv6 space

- Also related to; ACSP Suggestion 2014.3: Publish Information and Supporting Documents for Experimental Allocations

  - … Information published will include a description of the experiment/research project, the resources issued, and a link to the public documentation if one exists.

# Problem Statement

- ARIN should not give research organizations permission to hijack prefixes that have already been allocated. Research organizations announcing lit aggregates may receive sensitive production traffic belonging to live networks during periods of instability.

- Section 11.7 describes more than allocation size therefore updating the section heading to something more accurate is appropriate.

# Policy Statement

Modify the section 11.7 heading to be more accurate. Modify the first sentence to prohibit overlapping assignments. Add text at the end to define how research allocations should be designated and prohibit LOA's without allocations.

# Annotated Policy Text

verses current 11.7

11.7 Resource Allocation ~~Size~~ Guidelines

The Numbering Resources requested come from the global Internet Resource space, do not overlap previously assigned space, and are not from private or other non-routable Internet Resource space. The allocation size should be consistent with the existing ARIN minimum allocation sizes, unless small allocations are intended to be explicitly part of the experiment. If an organization requires more resource than stipulated by the minimum allocation sizes in force at the time of their request, their experimental documentation should have clearly described and justified why this is required.

All research allocations must be registered publicly in whois. Each research allocation will be designated as a research allocation with a comment indicating when the allocation will end. ARIN will not issue a Letter of Authority (LOA) to route a research prefix unless the allocation is properly registered in whois.

# Discussion

- There has been MUCH discussion of the Event
- But, NOT MUCH discussion of the Policy Text
- Is a Policy Change necessary?
- Is this only an ARIN Procedural Issue?
- Questions, Comments?

# Useful Links

- NANOG Presentation of Research Project

  https://www.nanog.org/meetings/abstract?id=2289

- Published Research Paper

  http://www.merit.edu/research/pdf/2013/ipv6_darknet_paper_r6098.pdf

- ACSP Suggestion 2014.3: Publish Information and Supporting Documents for  Experimental Allocations

  https://www.arin.net/participate/acsp/suggestions/2014-3.html