

# RIS Resource Allocations

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A special report on an endangered species ...



# Routing Beacons

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- Research BGP propagation time
  - Steady “anchor” prefix announced continuously
  - “Beacon” prefix announced and withdrawn according to defined schedule

# RPKI Announcements

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- Valid announcement from correct origin AS
- Invalid announcement from incorrect origin AS

# Current resources

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- 84.205.64.0/19 (allocated 2004/11/05)
  - 32x /24 announced as Beacons and Anchors
- 93.175.144.0/20 (allocated 2008/07/16)
  - 2x /24 used for RPKI certification announcements
- 2001:7fb::/32 (allocated 2007/06/05)
  - 32x /48 announced as Beacons and Anchors
  - 2x /48 used for RPKI certification announcements

# Problem: Change to experimental policy

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- Can only be extended in exceptional circumstances
- Not considered to meet the criteria for a permanent allocation
  - We do not “use” the IPs in those blocks
    - Paragraph 6.3 of ripe-530
  - Need minimum /24 in IPv4 to propagate globally
  - Need minimum /48 in IPv6 to propagate globally

# Affected Services

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- RIS Routing Beacons
- RPKI Certification announcements
- De-bogon of new address blocks
  - Loosing the fixed anchor

# Moving forward

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- Let the community decide according to Paragraph 5 of ripe-476
  - Approve the use of reasonable address space assignments to the RIPE NCC for the purpose of operating routing beacons
  - Should we reduce the /32 IPv6 allocation to meet actual use?

# Questions/Feedback?

Also at: <http://goo.gl/0aOoU>

