

# Policy Proposal 2005-3 Lame Delegations

## \* Status

- ▶ Introduced on PPML – March 17, 2005
- ▶ Staff Impact Analysis – April 2005
- ▶ Legal Review – April 2005

## \* Proposal Text

- ▶ In Meeting Packet
- ▶ [http://www.arin.net/policy/2005\\_3.html](http://www.arin.net/policy/2005_3.html)

# Staff Impact Analysis

- ★ Moderate implementation impact
  - ▶ Development of a lame delegation checker and database
  - ▶ Revise internal procedures
  - ▶ Develop FAQ and text for server POCs
- ★ Implementation - within 4-6 months following ratification by the ARIN Board of Trustees while shifting other projects within ARIN

# Legal Review

★ "...saw nothing that created concerns for liability related to ARIN or issues of compliance with law or regulation."

# PPML Discussion

Posts	People
26	10

- ★ Partially lame - Flag servers or remove them?
- ★ Ultimate goal - Protect global DNS or clean up ARIN database?

# Policy Proposal 2005-3

**[http://www.arin.net/policy/2005\\_3.html](http://www.arin.net/policy/2005_3.html)**

2005-3

# Lame Delegations

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# What 2005-3 Is Meant To Be...

- Proposal is meant to modify **EXISTING** policy on Lame Delegation (Section 7.2 in NRPM) created by 2002-1
- Specifically deals with actions taken by ARIN after detecting a block is lame.
- Policy has been proposed based on staff feedback regarding the large amount of staff resources required to fully implement the existing policy.

# What 2005-3 Is **NOT** Meant To...

- ... deal with the Question

*“Should ARIN actively identify lame DNS name server(s) for reverse delegations associated with address blocks allocated, assigned or administered by ARIN?”*

- ...deal with ARIN’s procedure for determining if a block is lame or not; only what happens after a block has been identified as lame.

FYI: [http://www.arin.net/reference/lame\\_delegations.html](http://www.arin.net/reference/lame_delegations.html)



# Current Staff Implementation of 7.2

Upon Identifying an Allocation as “Lame” ARIN currently:

- E-mails the POC associated with the in-addr.arpa delegation from the ARIN database (server POC).
- E-mails the POC associated with the ASN(s) originating the route in the global routing table (AS POC).
- Phone calls and postal notices are currently not implemented as the policy requests.

# Results of Current Implementation

- 90% of AS POC(s) did not respond
- Most server POC(s) did not understand the problem.
- During a 4-week Period:
  - 216 Extra Outbound Calls
  - 260 Individual Outbound E-mail Messages
- IP Analysts are being taken away from normal registration activity.

# Continued Consequences

- ARIN staff have identified over 8000 lame delegations so far that need to be processed
- Requires new staff in order to avoid strain on current Registration Services Dept.
  - Initially: 2-3 FT Staff
  - Ongoing: 1 FT Staff to monitor and manage
- Significant staff time required in Engineering as well

# Current Text

...**ARIN shall attempt to contact the POC for that resource.** The process of contact shall follow at least the following sequence until the lame delegation is repaired:

1. E-mail the POC associated with the in-addr.arpa delegation from the ARIN database.
2. E-mail the POC associated with the ASN(s) originating the route in the global routing table.
3. Telephone any POC associated with the ASN or ARIN records.
4. Send postal mail to any POC associated with the ASN or ARIN records. Request response within 30 days.

After completing the contact procedures listed above, and the lame delegation persists, and waiting for a minimum of 30 days following the postal mail being sent, ARIN shall update the resource record with text indicating:

1. That the delegation has been determined to be lame
2. The evaluation date of the lame delegation
3. That contact has been attempted unsuccessfully
4. The date record was updated

The record shall be further updated by removing the name server delegation(s).

# Proposed Text

...**ARIN shall attempt to contact the POC for that resource** and resolve the issue. If, following due diligence, ARIN is unable to resolve the lame delegation, ARIN will update the WHOIS database records resulting in the removal of lame servers.

# What Your Vote Means

## YES

Staff will work out procedures to accomplish task without causing undo strain on resources.

Existing staff levels maintained

## NO

Staff will attempt to continue implementing current policy text.

Extra staff resources are required

# Full Text of Proposed 7.2

ARIN will actively identify lame DNS name server(s) for reverse address delegations associated with address blocks allocated, assigned or administered by ARIN. Upon identification of a lame delegation, ARIN shall attempt to contact the POC for that resource and resolve the issue. If, following due diligence, ARIN is unable to resolve the lame delegation, ARIN will update the WHOIS database records resulting in the removal of lame servers.

Thank You!