



APNIC

Asia Pacific Network Information Centre



# Lame delegation status report

DNS operations SIG

APNIC19

24 February 2005, Kyoto, Japan

# Adopted proposal (prop-004-v001)

- Identify potential lameness
  - Two points of test, AU & JP
- Test the DNS reverse delegation
  - 15 day test period
- Attempt to notify the domain holder
  - 45 day notice period
- Disable lame DNS reverse delegation
  - If not corrected at end of notice period

# Policy implementation

## 30/09/2004

- First contact emails sent on 23/11/2004
  - Delay for due diligence
  - Make sure contact is warranted and appropriate
  - Minor teething problems
- First ticket (tracking) created 11:38:10 23/11/2004
- First ticket resolved with nameservers fixed 30/11/2004 16:20:42 2004 (7 days)
- Average time to resolve issues after contact email is now 2 days.
- First lame nameservers undelegated 08/01/2005

# Policy - technical caveats

- IPv6 lameness pending
  - IPv6 islands cause issues of connectivity
  - Some networks have interesting v6 ACLs
  - Relatively small set of delegations at present
  - Risk of removal for “Lab” networks

# Policy - technical caveats

- Contact pending for:
  - Admins responsible for 5 or more lame domains
  - APNIC evaluating most appropriate process and methods
  - A flood of email should be avoided

Admin-c/Tech-c	No. Domains
EXX-AP/WXXXX-AP	385
DXXX-AP/DXXX-AP	304
PXXX-AP	256
HXXX-AP	238
NXXX-AP	227

# Pre-implementation status

Status	Nameservers	Domains
NS Disabled by Domain Admin	0	(future use)
Total NS	168,042	61,963
In 15 day period	12,471	9,571
In 45 day period	11,544	6,982
Disabled by APNIC	0	0

# Status as of 15/02/2005

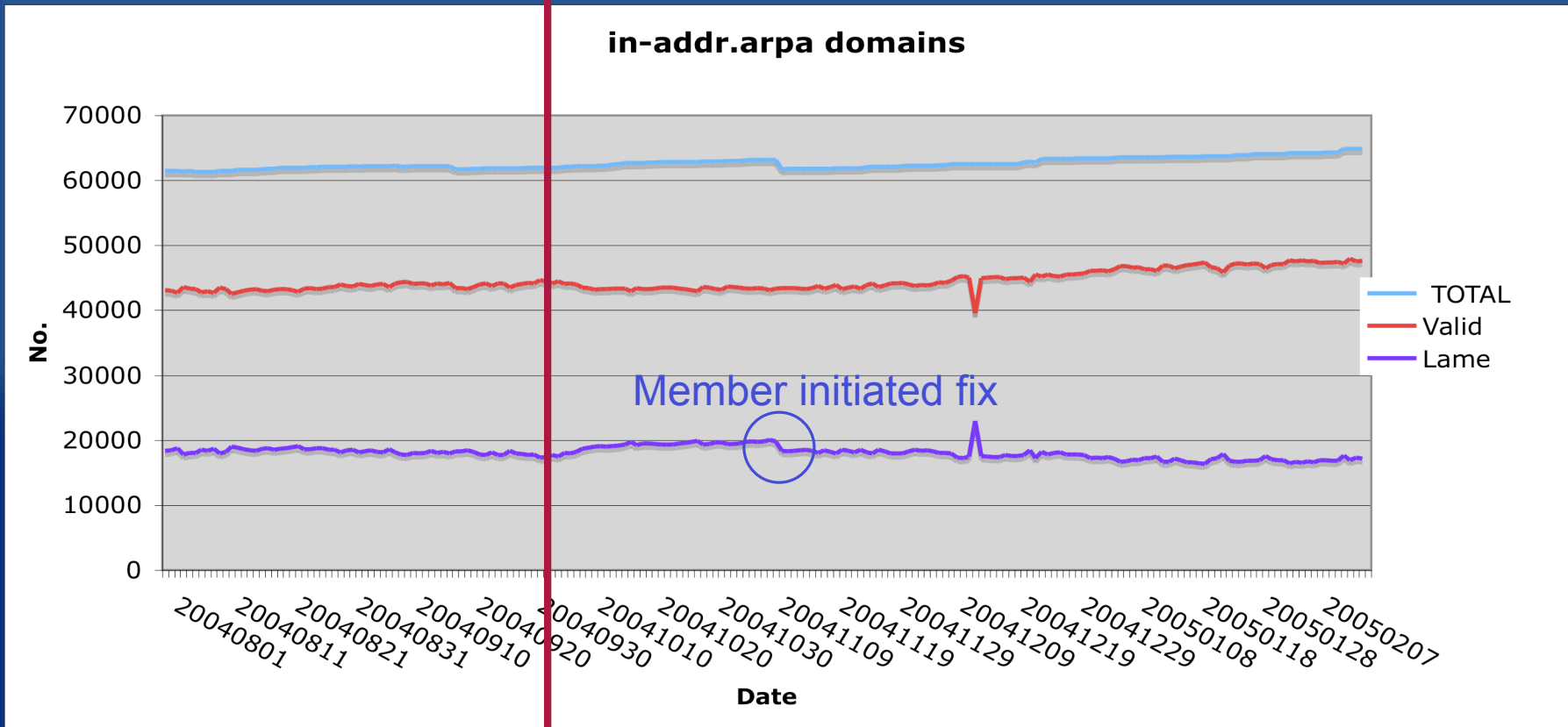
Status	Namervers	Domains
NS Disabled by Domain Admin	0	(future use)
Total NS	143,697	64,850
In 15 day period	14,481	9,500
In 45 day period	9,040	5,547
<b>Disabled by APNIC</b>	<b>1,107</b>	<b>807</b>



# Policy effectiveness



Policy  
implementation

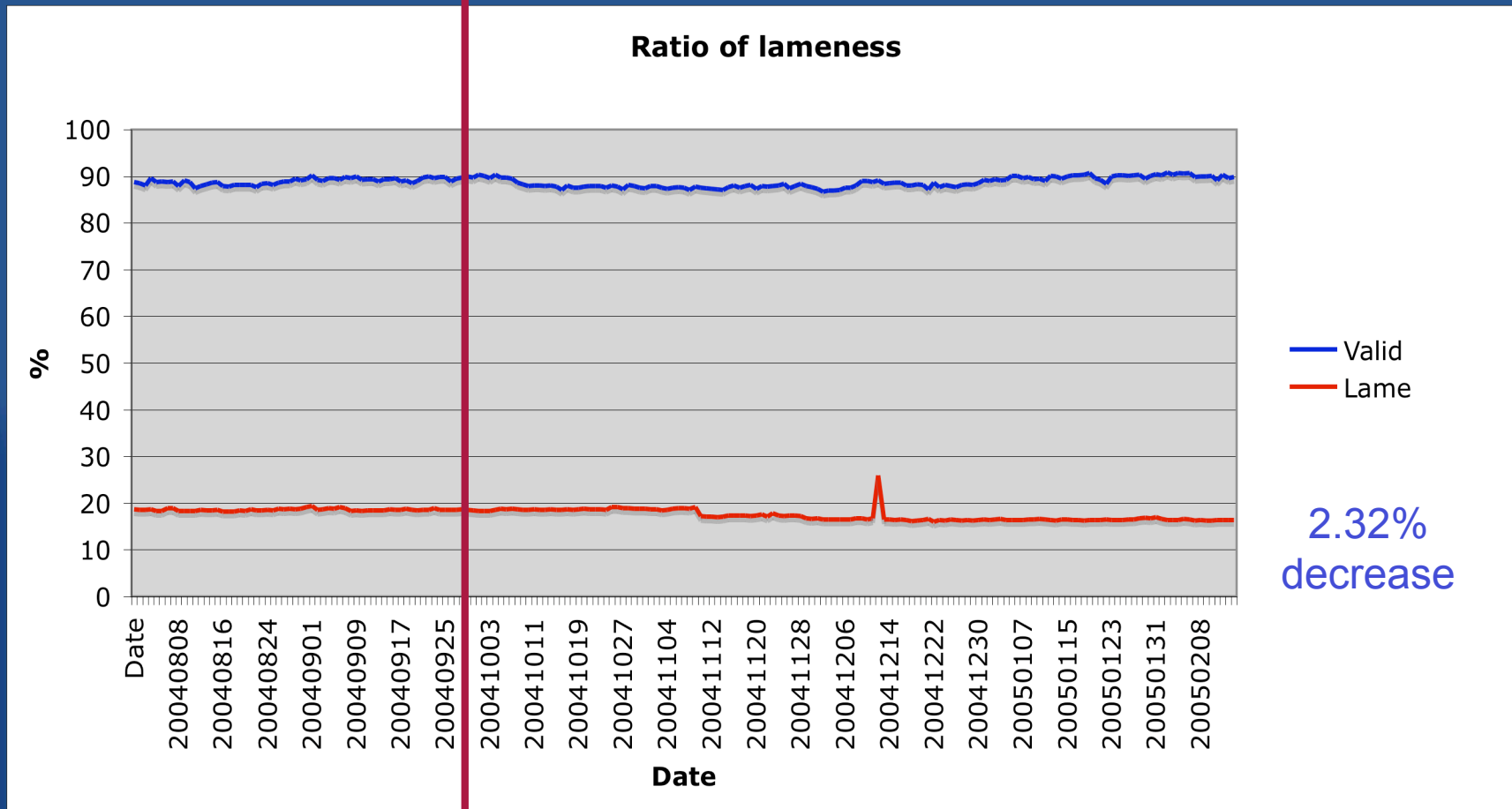






# Policy effectiveness

Policy implementation





# The resolution process

- Reports from APNIC Hostmasters
- Most problems in resolution were due to:
  - Forgotten password on resource
  - Incorrect contacts
  - Problems configuring a nameserver to be authoritative

# Key points

- Reduction in lame percentage
  - 18.66% on 01/08/04
  - 16.34% on 15/02/05
- Ongoing process
  - Consider time to affect a change is 60 days
  - APNIC continually monitoring
- IPv6 yet to be included
- Policy appears well received



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# Questions?

