Lame delegation status report

DNS Operations SIG

APNIC 210

2006, Perth

History of Proposal (from AMM16/17)

- 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

- First contact emails sent on 23/11/2004
  - Due diligence delay
  - Make sure contact is warranted and appropriate
- First ticket (tracking) created 23/11/2004
  - First ticket resolved with nameservers fixed 30/11/2004 (7 days later)

- First lame name servers undelegated 08/01/2005

Status as of Feb 20, 2006
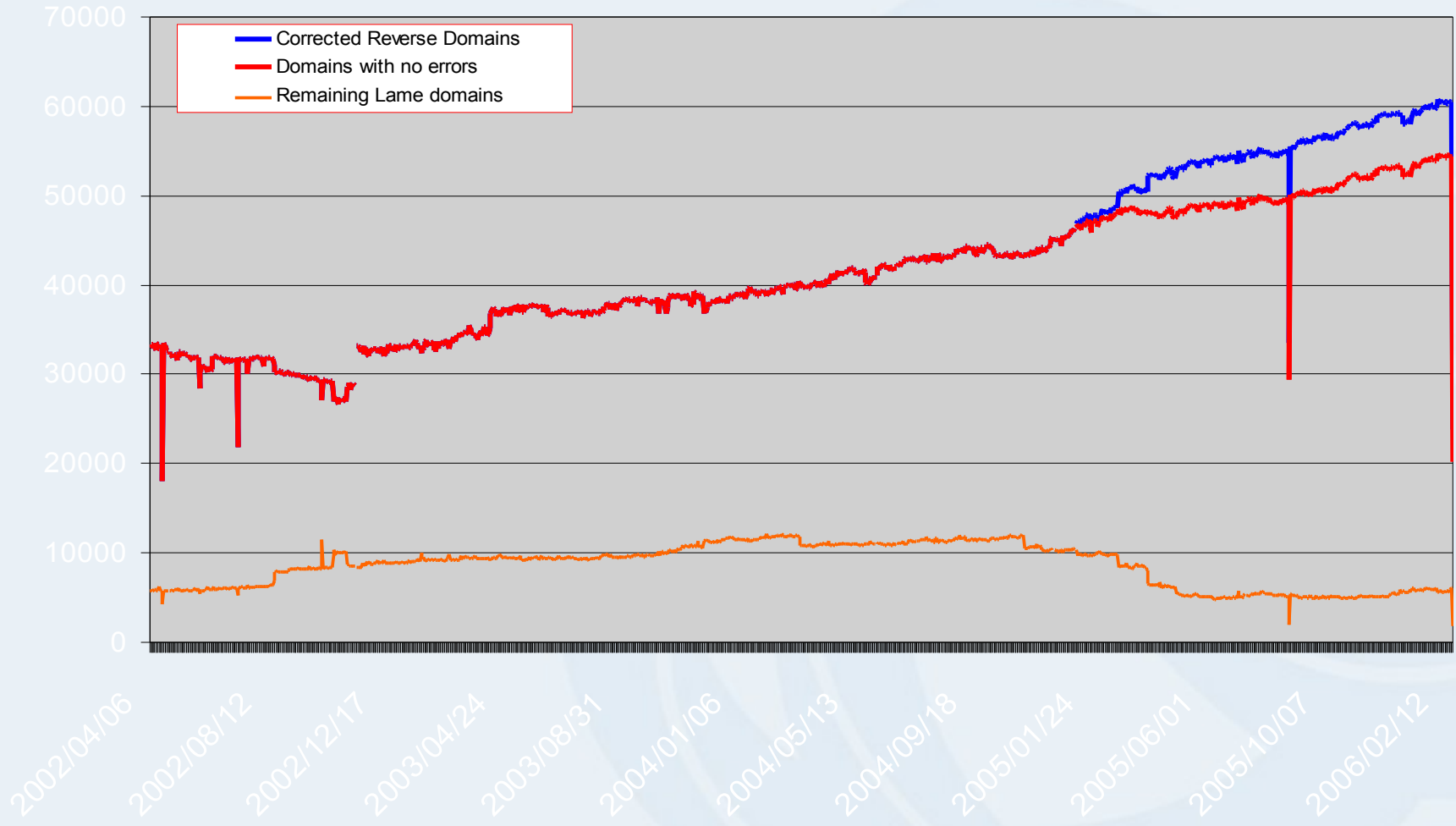
Policy effectiveness
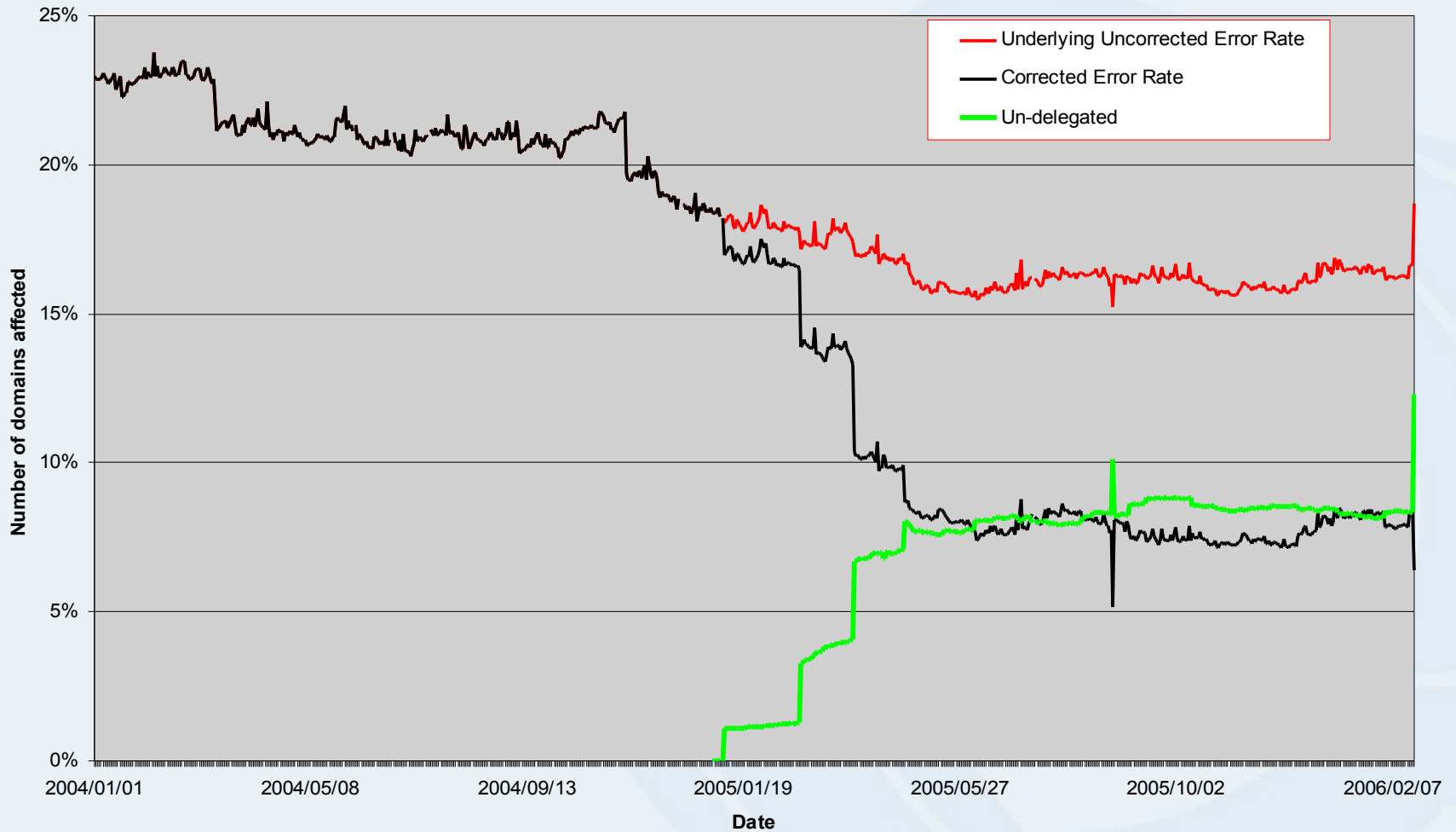
Key points

- **Reduction in lame percentage**
  - 18.66% on 01/08/04
  - 16.34% on 15/02/05
    - Only admins with <5 lame domains contacted
  - 8% on 25/08/05
    - After process established for >5 lame admin
  - Semi-constant thereafter.
- **Ongoing process**
  - Time to affect a change for any newly lame domain is 60 days
  - APNIC continually monitoring
  - IPv6 yet to be included
- **16% Base (uncorrected) lameness remains**
  - Communications/training/support issue

Lameness by Economy

distribution of lame reverse by economy
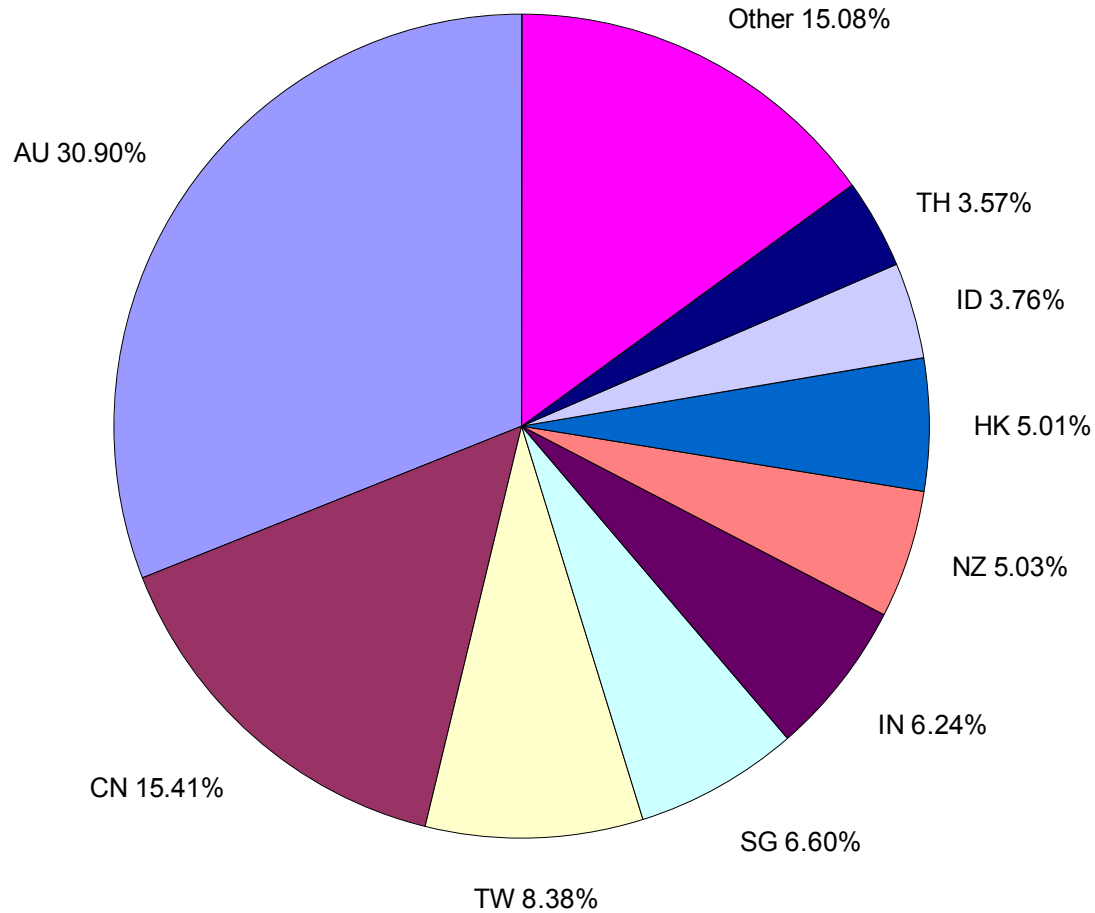
Next Steps?

- Policy appears to have achieved its maximum effect
  - Time to consider additional activity
- APNIC Hosted secondary DNS services:
  - Hosted on reliable, managed servers
  - Potential choices of HK, JP, AU, USA
  - Depends on improvements in DNS provisioning
  - Need automated processes to configure
    - New MyAPNIC facilty, DNS mgt framework
  - Current DNS activities will underpin
    - XML/REST architecture work
      (see following presentation)

Questions?