

# AP TLD Update



John L. Crain  
Chief Technology Officer

August 2007

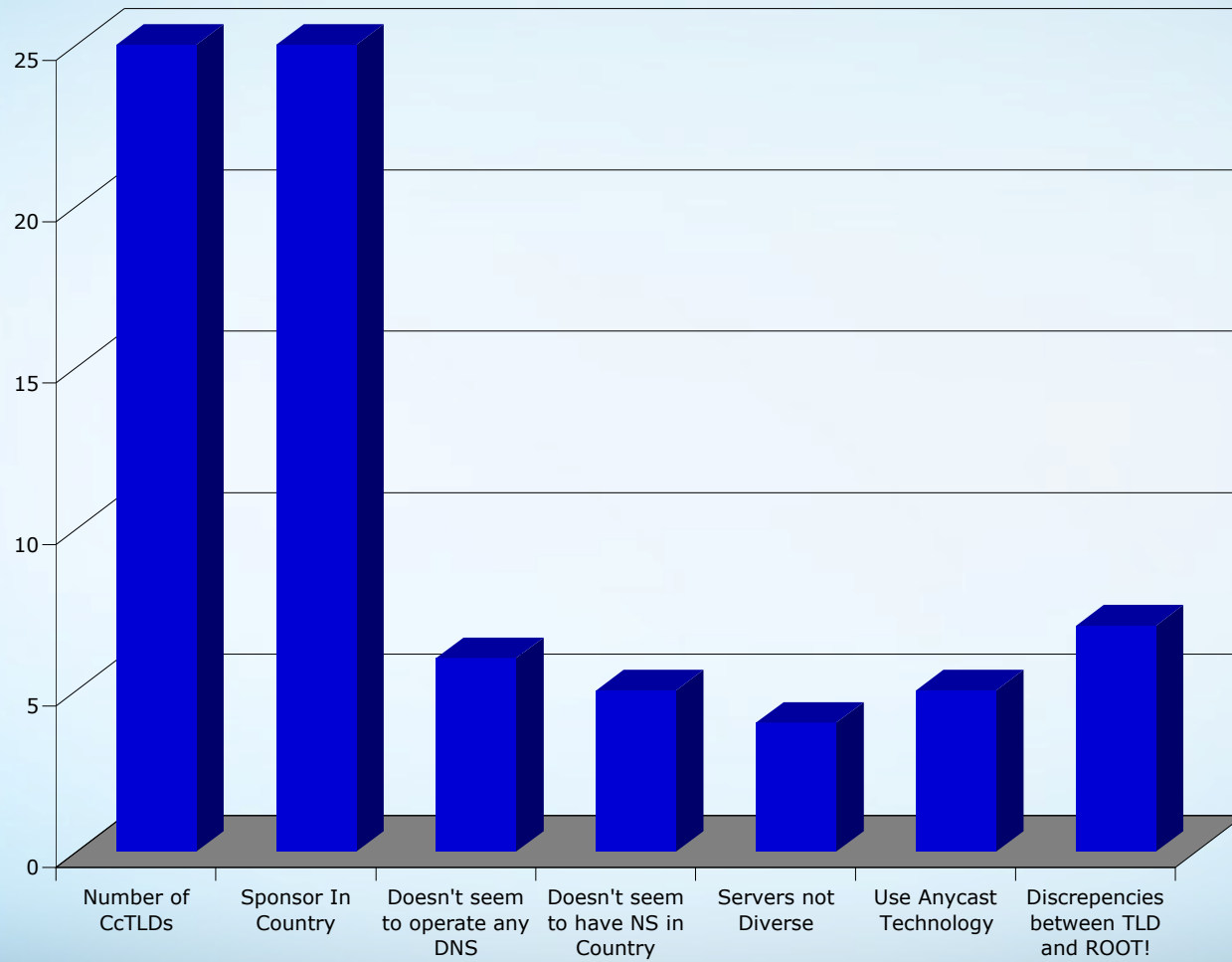
# Overview

- A quick look at the DNS in the Pacific
- Items of interest
- Way forward

# The Pacific CcTLDs

- 25 CcTLDs
- AS, CK, CX, FM, FJ, GU, KI, MH, MP, NC, NF, NR, NU, PF, PG, PN, PW, SB, TK, TO, TV, VU, WS, AU, NZ

# Quick Overview



# Interesting Issues

- All 25 CcTLDs have addresses registered in country as Sponsoring organisations.
- Is this really the case???

# Not operating any of their own DNS

- 5 CcTLDs
- Is this an issue?
- What about learning the skill sets?
  - Depends on local situation/needs

# No name server in country

- 4 CcTLDs
  - What happens to local users of CcTLD?
  - Response times and resiliency!

# Servers not topologically diverse

- 3 CcTLDs
- Single point of failures on path to DNS servers.
- What happens when (not if) that point fails.

# Root and TLD servers say different things!

- 7 CcTLDS
  - This is not a good thing!
  - Introduces possibilities for confusion and for error.
  - Need to keep changes up to date in Root via IANA!

# Advancements

- 8 CcTLDs have IPv6 ready NSs
  - Operating Own IPv6 in country 1 (.FJ!)
- 5 CcTLDs Use Anycast technology

How many are DNSsec ready.....?

Finally first root server placed in pacific!

# Way Forward

- A role for APTLD?
- Outreach to those who may need help?
- Someone locally might want to keep track of the state of the DNS in Pacific?

**Questions?**

**Thank You**