What we've been up to in the last two months

ccNSO, ICANN San Juan Meetings, June 2007
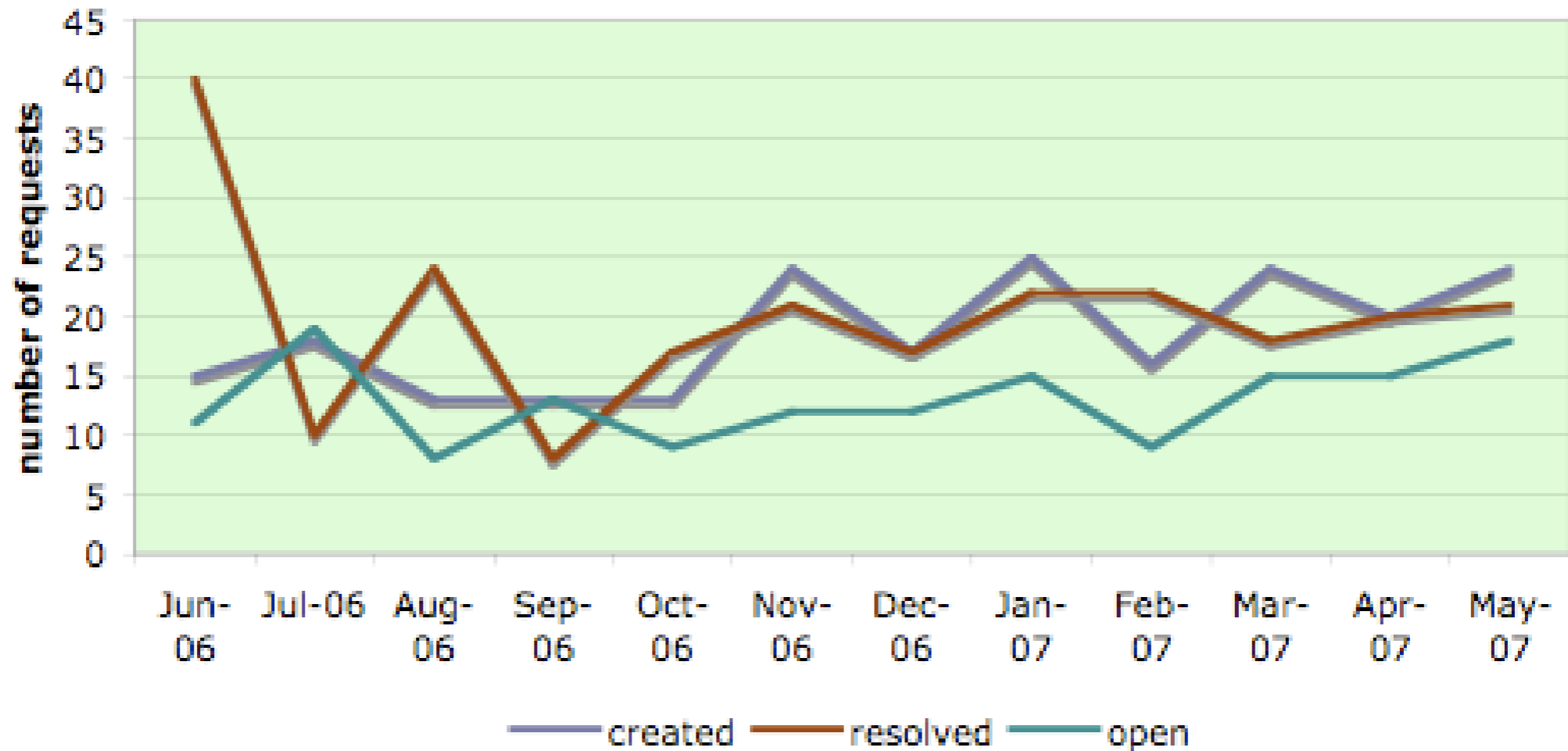
Kim Davies
Internet Assigned Numbers Authority

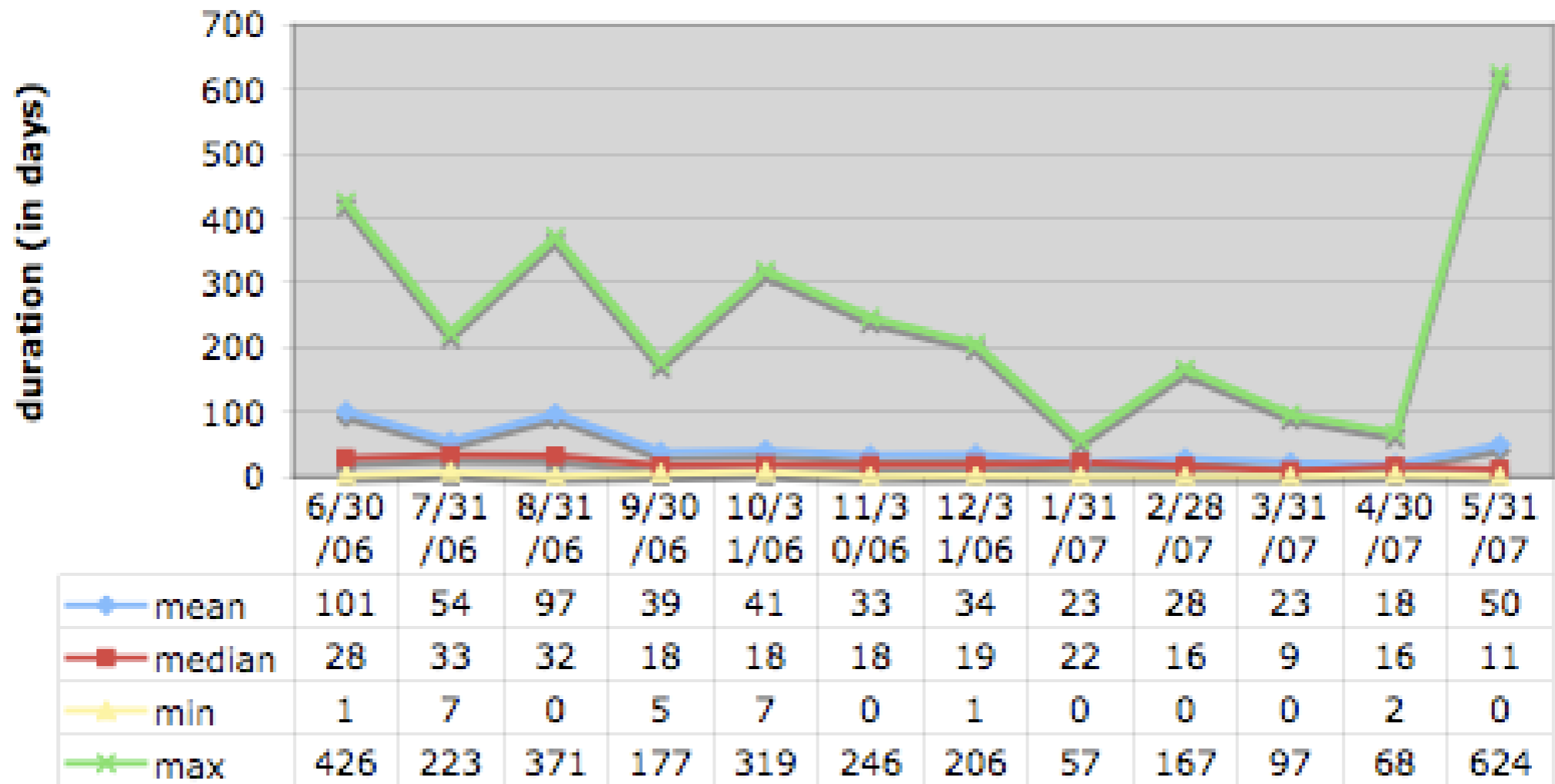# Working 9 to 5.. 6.. 7..

Root Zone Change Requests
queue size
June 2006-May 2007

Request load.

‣ Slowly rising

‣ Opens (blue) and closures (red) roughly meet = steady state

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Root Zone Change Requests processing times

	6/30/06	7/31/06	8/31/06	9/30/06	10/31/06	11/30/06	12/31/06	1/31/07	2/28/07	3/31/07	4/30/07	5/31/07
mean	101	54	97	39	41	33	34	23	28	23	18	50
median	28	33	32	18	18	18	19	22	16	9	16	11
min	1	7	0	5	7	0	1	0	0	0	2	0
max	426	223	371	177	319	246	206	57	167	97	68	624

Processing Times.

▸ One ticket skews our beautiful trend

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`<h1>Writing <abbr>HTML</abbr></h1>`

A new website.

Reorganised Root Zone Database

Some other notable things.

▸ List of major IANA projects.

▸ Clearer arrangement of ccTLD procedures and materials.

▸ All presentations we've given in last 18 months.

▸ IDN Repository improved.

▸ Information about what IANA is.

▸ A good foundation to grow the website into the future.

Available now.

beta.iana.org

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Working out how the Internet is going to break.

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IDNs in the root

▸ Plan to insert evaluative IDNs in the root as precursor to production launch

▸ What if the Internet breaks?

▸ Emergency revocation procedure for evaluative IDNs.

  ▸ Threshold based or manual

  ▸ Pull test delegations quickly, perform a post mortem

▸ Been open for public comment.

▸ Procedure before the Board on Friday for approval

Phone calls at weird
times of the night.

Root Zone Automation

▸ We're ready to start public testing!

▸ Simon Raveh, our chief developer, is here to talk to you about it.

   ▸ We will arrange some demonstrations to small groups over the next few days.

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Where we are

▸ "Alpha" code complete

  ▸ Does all tasks except name server changes (technical checking functionality still being finalised)

  ▸ End-user interface is maturing

▸ Over next few months moving toward functional completeness

  ▸ Will ask testers to run requests in parallel with system and our existing process

  ▸ Will seek approvals for deployment

Request detail

Reference	Domain	Lodged	Created By	Current Status	Last Change
1111	int	25 Jun, 2007	kim-ac1	Pending manual Review	25 Jun, 2007

Modify Administrative Contact - Internet Assigned Numbers Authority

1. Add a Contact Job Title with value jobTitle

2. Update Contact Address from 4676 Admiralty WaySuite 330Marina del Rey CaliforniaUnited States
 to 4676 Admiralty Way Suite 330 Marina del Rey California, 90292

3. Add a Contact Country with value US

4. Update Contact Role from false to true

Confirmations

Confirmations received
- ☑ Technical Contact - Internet Assigned Numbers Authority
- ☑ Administrative Contact - Internet Assigned Numbers Authority

Request History

State	Start	End	Approve By
Pending Contact Confirmation	25 Jun, 2007	25 Jun, 2007	AC/TC

Status View

‣ Provides new exposure to status of requests without needing to ask IANA

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Workflow Automation

‣ Lodge and view details online through responsive interface

Demonstrations

- We will be giving demos and explanations to smaller groups (based on demand)
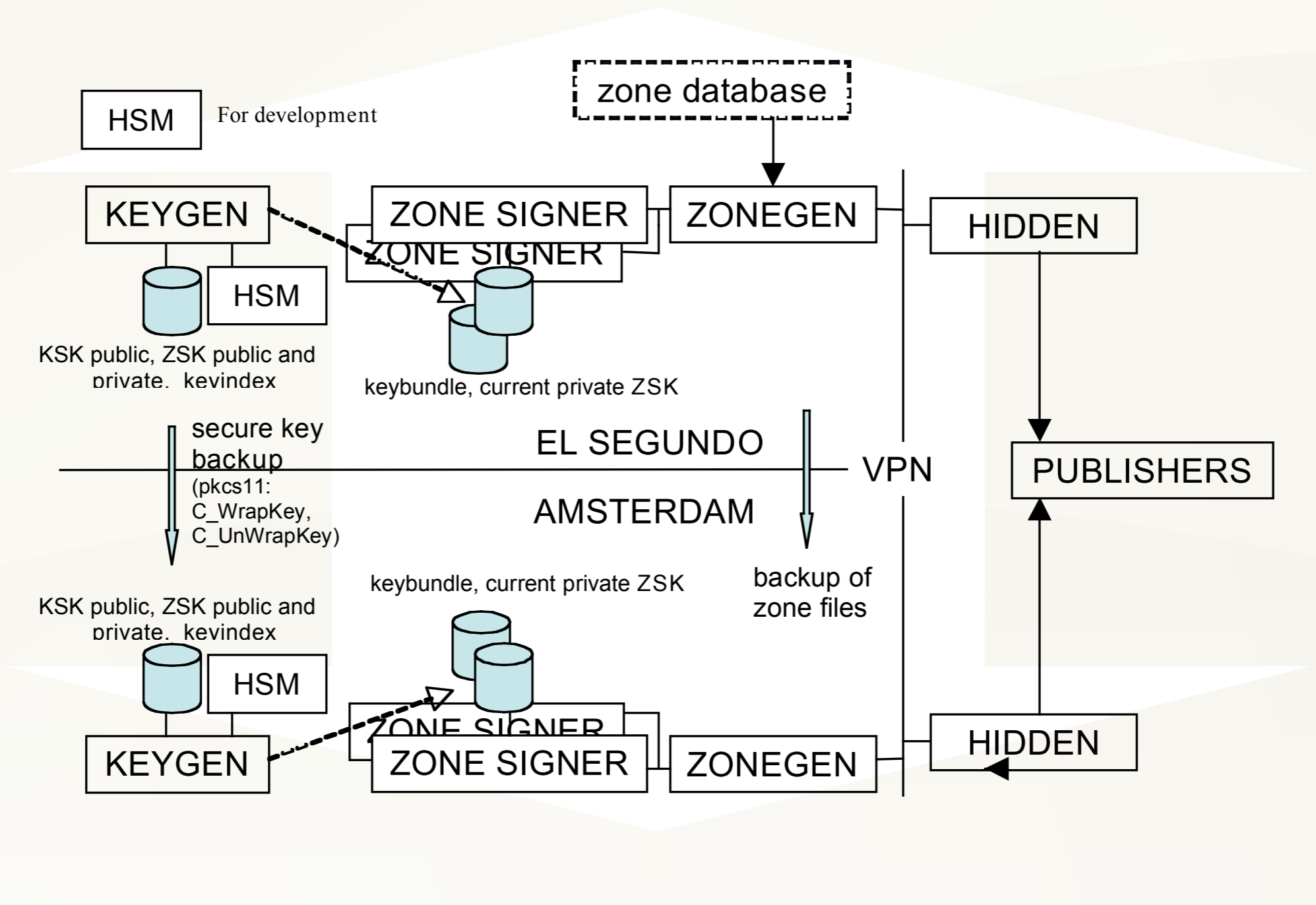
    - Today at 1pm in Conference Room 8&9

Testing

▸ Accepting expressions of interest from testers.

  ▸ Please provide me with your business card

Generating more keys than a locksmith.

Is IANA going to do DNSSEC?

WE ALREADY DO!*

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DNSSEC.

DNSSEC work at IANA

▸ Richard Lamb on staff this year working full time on systems development

▸ Internally signing IANA managed zones since March

▸ Software production ready for .ARPA by Chicago IETF (July)

▸ Deployment of signed .ARPA depends on implementation confirmed with various parties

   ▸ Including shifting .ARPA zone to IANA (currently with VRSN)

   ▸ Does .ARPA still stay with the root servers?

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Some DNSSEC design decisions

▸ Model is based primarily on Swedish experience

  ▸ Keys generated offline

  ▸ Currently using smartcards for KSK; moving to HSMs

▸ We will share our procedures and experience publicly

  ▸ Including custom code we have developed

▸ DNSSEC mechanisms will be in a dedicated cage in our colocation facilities

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… but what about the *root*?

‣ IANA will wait for policy folks to tell us what to do.

‣ Until then, building our internal skill-set and systems with the other zones we control.

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Test zones

▸ https://ns.iana.org/dnssec/status.html

Speaking in tongues.

IDN Repository Updates

▸ Improvements to the IDN Repository on the new website *http://beta.iana.org/domains/idn-tables/*

▸ First script registration last month (.CL — Latin)

▸ We would like to invite you to submit your IDN tables

  ▸ Just information sharing.

  ▸ Language or script based.

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Standing in front of the firing squads.

Service Level Targets

‣ Spoke with APTLD and CENTR about IANA service level agreements

‣ Discussed current process, and current service level obligations

‣ Noted problems we face (particularly third party reliance)

‣ Service Level Targets to be set by the community?

   ‣ Consensual review?

‣ Happy to speak with other communities

Thank you for your attention!
(fire away)

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