

25th RSSAC Meeting
Montreal, Quebec
July 8, 2006

1. New Member

Bill Manning
Rob Austein
Yuji Sekia
George Michelson
Joao Damas
Jim Cassell
Matt Larson
Hiro Hotto
Shinta Sato
Gerry Sneeringer
Suzanne Woolf
Lars Liman
Akira Kato
Fredrico Neves
Jun Murai
Johan Ihren
Ginny Listman
John Crain
Brad Verd
Jeff Baker
Nevil Brownlee
Jaap Akkerhuis
Cagri Coltekin – RIPE
Tim Christensen - ARIN

Guests:
Russ Mundy
Steve Crocker

Absent:
Paul Vixie
Daniel Karrenburg

Notes from Gerry Sneeringer, Russ Mundy, Matt Larson, Jeff Baker,
and Bill Manning

2. Principle Documents Status – Matt Larson

- a. Movement made, wordsmith issues are ongoing, with significant root ops have agreed on a draft statement of principles that we follow. turning into more formal language that can be published.
 - b. A conference call is scheduled for 20july2006 – expect ratification by individual operators around the next RSSAC meeting in San Diego
 - c. What is the purpose of such a document? It is for our constituents, to clarify our position and to explain to the public our responsibility to the global internet.
3. DNSSEC status on root – Bill Manning
- a. DNS ability to publish signed data
 - b. Some forward progress has been made
 - c. 45% of machines are ready to implement
 - d. For those not ready 1-6 months
 - e. B & L are still having issues on implementing signed data
 - f. G is not the long tail... (G) has done really good work in getting ready.
 - g. likely ready by end of calendar year, for reporting nodes
 - h. no updated data on C, E, or H.
4. SSAC report – Steve Crocker
- a. Nothing specific from last time in terms of results
 - b. Released reports on prior registrants and new registrant issues
 - c. Old subject revisited -IPv6 intro into root – have planned an SSAC meeting on wednesday night – RSSAC invited
 - i. limit of 13 root servers
 - ii. Is packet size a problem
 - iii. root server and resolvers issue
 - iv. Now have staff help to write stuff down
 - d. Small number of copies of DNSSEC newsletter
5. ANYCAST status and updates – Suzanne Woolf
- a. Missing some data to support data
 - b. Access to previous data not available now
 - c. Very little feedback on the draft recommendation
 - d. Helpful to get feedback from other members of RSSAC
 - e. Bill wants silence equals consent statement
 - f. John Crane will review documents
 - g. B is at 6 nodes in the LA region, and we are not going to go much further outside of this area
 - h. M has a new global node in San Francisco
 - i. The NSID draft is in IETF last-call. RSSAC members may wish to comment.
 - j. L is looking to deploy some ANYCAST deployment. New budget and staff allow the following to be scheduled.
 - i. Will be DNSSEC ready by 3q2006
 - ii. Hoping to have this online in 2 months
 - iii. Looking to have increase in large and local nodes in 24 months

- iv. Doing large upgrade in LA
6. IPv6 glue recommendation – Joao Dumas
- a. Work being done on data from 4 root servers
 - i. Scope: covers exactly what can be put in the root zone and what goes in root hints to ensure that nothing bad happens to clients that can only understand the smaller packets.
 - ii. Draft recommendations have gone to the RSSAC list, but what's been missing is the supporting data. Re-Review by John and Bill before Tuesday 18july2006. Silence by RSSAC members will indicate consent with the text of the recommendation.
 - b. DNS root traffic analysis expected by oct2006 from Joao/ISC with help from other RSSAC members
7. Measurement Stimulation activities – Neville Brownlee
- a. CAIDA analysis of data from four servers.
 - b. Looking at request loads over
 - i. Clients
 - ii. Time
 - iii. Size
 - iv. Type
 - c. Both types of TLDs are examined
 - d. Growth and impact of DNSSEC deployment
 - e. A request for CAIDA to evaluate state changes was made
 - f. Russ Mundy reports on simulation work in an emulated environment
 - i. WWW.ISLE.EDU/DETER
 - ii. models one type of anycast architecture
 - iii. models some types of DDOS
 - iv. All based on public data
8. ICANN status and report including IANA - Suzanne Woolf
- a. primary issues are :: IDN & IPv6
 - i. ICANN is eager to get input from RSSAC on what can/should be done in the root zone
 - ii. IANA is interested in a completed IPv6 recommendation
 - b. Nomcom is looking for new candidates for many slots. Appointed chair of NomCOM has resigned for private reasons. Last year's chair back to run the process. What is the time commitment? Many hours - 6wks per year to half time.
 - c. there is a public mtg at the end of this month (26jul2006) by DoC to release IANA to ICANN for 60 months.
9. Reconstruction of RSSAC – Jun Murai
- a. Chairpersonship

- i. Asks for approval for a Vice Chair to work with the Chair. The assembled group agreed this would be useful.
 - ii. Jun will ask for volunteers, then select a Vice Chair and notify ICANN
 - iii. Still need a process for chair succession.
 - b. Administration Resources
 - i. Jun will ask ICANN for administrative support, to work with the Vice Chair on logistics coordination, document publication and other needs as directed.
 - c. Process definition for selecting chair

10. L-Root Plans – John Crain

- a. ICANN has changed its plans for L. Based on need to provide resilient service, ICANN will deploy anycast instances.
- b. New budget for anycast deployment
 - i. Hardware is being burned in
 - ii. Staff is being hired
- c. Moving to augment the LA pop location on different continents

11. IDN w/ Tina Dam (ICANN)

- a. Tina conveys her apologies. Suzanne spoke in her stead.
- b. Before Dallas, ICANN published proposed plans for test deployment in the root that included conventional delegations and the use of DNAMEs.
- c. After Dallas, RSSAC informally responded that with hesitancy about DNAME.
- d. Since then there has been more comments. Based partially about that, people are backing away from trying to DNAME in the short term.
- e. ICANN wants from us some comment as DNS experts about why DNAME might not be suitable in the near term and whether it ever would be. What would it be good for?
- f. Suzanne thinks ICANN is desperate for solid input from DNS experts.
- g. - Suzanne going to draft an RSSAC recommendation and ask for review by next week
- h. Tina will have some staff to work on this problem but really wants to have some expertise.
- i. Lab testing is recommended over live testing.

12. Others – Jun Murai

- a. Next meeting in San Diego from 15:00 – 17:00 on 05 November 2006.
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