IANA WG REPORT

ccNSO members meeting

ICANN New Delhi 12th February 2008

Work and process

Two conf call since Los Angeles ;

One physical meeting ;

Notes on the web site (when relevant) ;

Regular exchanges on ML between members including IANA staff ;

Useful support from the ccNSO secretariat (calls, web site) ;

Major issues addressed

IANA Working Group Charter an Work plan ;

DNSSEC Paper ;

IANA operations : work flow and procedures ;

Other exchanges (F root server agreement, .arpa, …) ;

DNSSEC : Background

In July 2007, the ccNSO Council asked for input on Root Zone Signing : "the IANA Working Group is asked for help in providing input to the Council on Root Zone signing from a technical perspective."

IANA updates and investigations were presented in Los Angeles :
http://losangeles2007.icann.org/files/losangeles/presentation-ccnso-dnssec-survey-results-schittek-30oct07.pdf
http://losangeles2007.icann.org/files/losangeles/SigningRootZoneOlivier.pdf
http://losangeles2007.icann.org/files/losangeles/Lamb-DNSSEC_at_IANA.pdf

After discussion, we felt in the IANA WG that a general background discussion about DNSSEC was necessary, at least to agree on what the issue was ;

A drafting team was set up to write a paper within the IANA WG including IANA and including a limited set of relevant reviewers ;
Lesley Cowley (.uk),Olivier Guillard (.fr), Richard Lamb (icann), Oscar Moreno (.pr), frederico neves (.br), Shinta Sato (.jp), Gabriella Schittek (icann) and Roy Arends (.uk), Bart Boswinkel (icann), Ondrej filip (.cz), Jean-Philippe Pick (fr)

IANA WG PAPER

Organized into two parts:

      Part Ⅰ : DNSEC General background
      Part Ⅱ : Practical cases (including the root zone)
           and scenarios

Includes a comprehensive reference section about
DNSSEC: 18 pointers, general papers on security,
DNSSEC protocol specs, portals on DNSSEC, laboratory
tests reports, and discussion on "Signing the root zone";

What's Next : HELP !

Part I is drafted (includes reference section) and published on the ccNSO web site: still couple of typos

To be done : provide a « DNSSEC Checklist »
to help those that want to look at it

Part II to be written (table of content drafted,
root zone signing section started: thanks Rick!)

Help IANA with testing: https://ns.iana.org/dnssec/status.html
(rollover, effective zone update including all parties, etc)

Olivier.Guillard at nic.fr
ccnso-ianawg at icann.org

IANA Operations

Root zone change process flow is known and documented (High level process flow : IANA web site)

IANA provides a report by mail when ending a request for root zone change

Facts : IANA transmits requests to US DoC and VGRS, and waits for VGRS notification of completion before posting its report and close the ticket

The operations performed through VGRS / DoC process is a kind of "black box" for ccTLDs

IANA has indicated that DNS technical checks were performed over requests at both IANA and VGRS sides
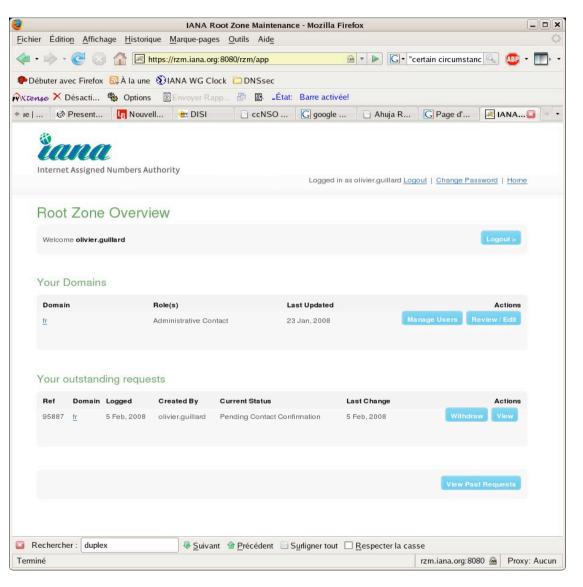
NEW IANA INTERFACE

IANA is working on a Software (RZM) that was developed by ICANN and NASK, and designed to improve the performance of Root Zone Change (automating part of the process that is presently performed manually)

But: IANA has advised that the new software would **not** alter the current process flow (still go through VGRS / DoC)

IANA has also indicated that an EPP interface was being integrated between IANA and VGRS to deal with interactions between them

RZM interface

(not a WG report at this stage : needs more investigation)

- ➢ Nice interface

- ➢ Pre filled form

- ➢ Ticket report and archive

- ➢ Validation by Admin and Tech Contacts

- ➢ https

- ➢ password authentication

RZM interface

(not a WG input at this stage : needs more investigation)

➢ Couple of bugs detected
➢ DNS check are performed (where?)
➢ Authentication based on password : is it better ?
➢ Process flow (who does confirm what AC/TC/alternate mail)

➢That's not clear how the requests are going from RZM to the EPP server