IANA SESSION

e-iana / RZM / automation

New IANA Software

Background

- IANA is deploying a new software for TLDs to update their data in the IANA repository. The goal is increased automation in IANA operations. Background information here :
  https://delhi.icann.org/files/20080212-guillard-ccnsoianawg-update.pdf

- IANA has set up a platform for TLDs to test the new interface : request an account from IANA staff to access the test bed.

- The IANA WG has proposed a testing approach to help testers :
  http://ianawg.ccnso.org/docs/20080407-ccNSO-IANA-RZM-Tests.pdf

- The IANA WG has also called for volunteers across the whole ccTLD community to participate in the work and to insure a more systematic testing approach.
  Thanks to : **.cz, .et, .fr, .jp, .kr, .lt, .mx** for their participation and work !

Testing approach

- Their are four types of requests from ccTLD to IANA identified in the IANA WG paper :

  - ❑ Account interface updates (change the password) ;
  - ❑ Simple administrative changes (telephone number, address …) ;
  - ❑ Technical updates (that produce modification in the root zone) ;
  - ❑ More complicated changes (modifications on DNS that affect more than one TLD) ;

- Work distributed amongst testers ;

- ccNSO IANA WG testing approach documented here :
  http://ianawg.ccnso.org/docs/20080407-ccNSO-IANA-RZM-Tests.pdf

Coordination Issues

☐ Communication amongst testers and with IANA :

☑ Dedicated mailing list set up by IANA for testers ;

☐ Bug reporting :

☑ Bug tracker for testers and developers is provided ;

☐ Time difference and IANA manual review :

☑ IANA agreed to manage the queue twice a day at specific time to facilitate the testing process ;

Problem : Technical Checks

- Before implementing any Root Zone Change, IANA performs Technical checks on ccTLD DNS configuration :
http://www.icann.org/announcements/announcement-18aug06.htm

- In the new IANA system technical checks are performed automatically ;

→ Because of those technical checks, test DNS servers needed to be set up for the purpose of testing. We had to find available servers and resources, also to coordinate amongst testers : it delayed the testing process ;

Current testing status

- Four types of requests from ccTLD to IANA tested :

    ☑ Account interface updates (change the password) ;
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    →Technical updates (that produce modification in the root zone) ;
    ☐More complicated changes (multiple modifications on DNS that
                     affect more than one TLD) ;

- In the meantime, IANA has indicated that implementation of software changes will require amendment of the IANA contract with DoC :
    https://www.centr.org/main/4406-CTR/version/default/part/AttachmentData/data

- The 12th of June, IANA has posted a mail to the testers to inform them about the "*cessation of public testing*"

Interim report

- The IANA software is still under development :

  The bug tracking process is established. The developers work hard and are responsive. Many bugs that were reported no longer show up in the bug tracker (we assume that they were fixed). But the software requires continued testing. Inappropriate behavior in the process flow or confusing output information is still noticed ;

- The new software doesn't change the IANA process flow with regard to the US Doc and Verisign ;

  There are actions external to IANA that must be undertaken for the ccTLD requests to be managed : will the software really improve performance ?

- IANA still needs to review manually each request ;
  What is really meant by "automation" ?

- The interface changes front-end process flow :
  Interactions between IANA and ccTLDs are more complex : benefit?

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QUESTION : SPECS ?