# Quick IANA Update for CENTR

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# Documenting IANA processes

‣ Since Malta meeting, Technical Requirements document published.

‣ Root zone procedure documentation almost finished, aim to publish in time for new IDN ccTLD process

‣ Working on improving delegation requirements documentation for consideration by the ccNSO Delegation Working Group

# Workflow automation

‣ Final "parallel testing" phase commenced week of ICANN Sydney

‣ Flaw was identified affecting minority of change requests, but had serious consequences.

‣ Fundamental issue where EPP-model doesn't map well to RZM-model.

  ‣ EPP assumes atomic changes that are performed serially.

  ‣ Root Zone process mandates parallel changes which are interdependent.

# Workflow automation (2)

‣ None of this is customer visible — all relates to how the IANA/VeriSign/NTIA interactions occur.

‣ Problem is being remedied through both code changes, and modifications to the RZM authorisation process

‣ During retooling, also implementing new workflow features requested by NTIA, as well as the DNSSEC signing infrastructure for...

# Signing the root zone

‣ Root zone signing by end of the year

‣ Begins with a public testing phase

‣ Key handling interactions will be modelled on current root zone management process

  ‣ Template-based Change request form submitted to IANA

  ‣ Therefore, somewhat deviated from ITAR practice

    ‣ No pre-listing, two seperate interactions on listing and delisting, etc.

# Interim trust anchor repository

‣ Continues to run

‣ Gaining operational experience from how TLD operators use it

  ‣ TLD anchors expiring without providing their replacements

  ‣ TLDs not using the KSK/ZSK model

  ‣ TLDs continuing to use their anchor after effectivity period

  ‣ TLDs who repeatedly enter wrong data

‣ Will have no direct link to signed root zone, stays independent.

# IDN ccTLDs

‣ Proposed implementation plan for ICANN Board consideration in Seoul

‣ Upon approval, ICANN will implement

‣ Two phase process

 ‣ Phase 1: After implementation, eligible applicants can apply to ICANN for string selection (i.e. can I use "ελ" to represent "Greece"?)

 ‣ Phase 2: If approved by phase 2, eligible applicants can apply to IANA for delegation (i.e. can ".ελ" be delegated to a specific organisation and be inserted in the root zone?)

# Root scaling

‣ new ccTLDs + new gTLDs + DNSSEC + IPv6 + …. = a larger root

‣ OARC scaling study

  ‣ http://www.icann.org/en/topics/ssr/root-zone-augementation-analysis-17sep09-en.pdf

‣ Interisle scaling study

  ‣ http://www.icann.org/en/committees/dns-root/root-scaling-study-report-31aug09-en.pdf

‣ TNO scaling study (released today)

  ‣ http://www.icann.org/en/committees/dns-root/root-scaling-model-description-29sep09-en.pdf

# Thanks!