Update on IANA
Seoul, Republic of Korea
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Documenting Processes
Documenting IANA processes

- 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
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.
add ns.uberdns.com for .alpha

EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .alpha

IANA
EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .alpha

NTIA
EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .alpha

VeriSign
EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .alpha

TLD Operator

add ns.uberdns.com for .beta

EPP Bundle
Create host obj ns.uberdns.com
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VeriSign

**EPP Bundle**

Add host obj to .beta

- [ ]

**EPP Bundle**

Add host obj to .beta

- [ ]
Workflow automation

- EPP assumes atomic changes that are performed serially.
  - Root Zone process mandates parallel changes which are interdependent.
- 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 specific new workflow feature, as well as the DNSSEC infrastructure for...
Signing the root zone
Signing the root zone

- Key handling interactions will be modeled on current root zone management process
  - Template-based change request form submitted to IANA
  - Therefore, somewhat deviated from ITAR practice
  - Transition to web-based interactions with launch of root zone automation platform
    - Provide template completion tool until then
Visible in ITAR

- start: 1 May
- end: 1 Jun

Visible in root

- add TA
- del TA

IANA proc
NTIA proc
VRSN proc
IANA proc

variability

1 May
1 Jun
Interim Trust Anchor Repository
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
IDN ccTLDs
can we use “ελ” to represent “Greece”?

evaluation performed by new ICANN team w/ outside experts

new eligibility criteria, new process (web form)

minimum 2 weeks

can “.ελ” be delegated to (organisation) and be inserted in the root zone?

evaluation performed by IANA staff w/ ICANN Board approval

standard delegation criteria, standard root zone process, plus Phase 1 completion

estimate 3+ months
IANA preparation

- Improving documentation (both internal and external)
- Hired a new root zone management staff member
- Additional ICANN staff resources that can switch to this project as needed
Thanks!
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twitter.com/theiana