Update on IANA

Seoul, Republic of Korea
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Assigned Names & Numbers

Documenting Processes

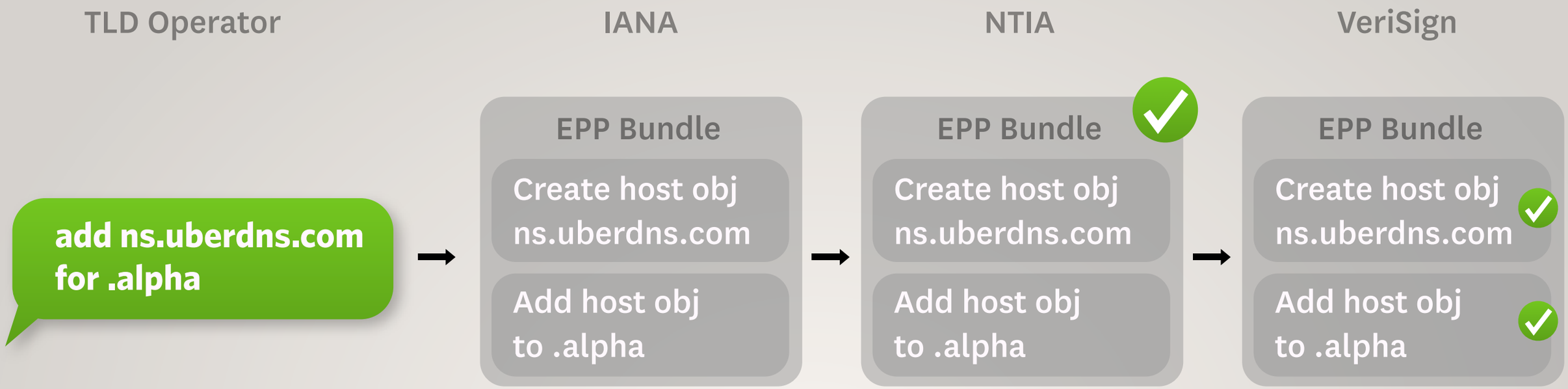
Documenting IANA processes

- 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.


TLD Operator
IANA
NTIA
VeriSign
add ns.uberdns.com for .alpha
EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .alpha
EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .alpha
EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .alpha
add ns.uberdns.com for .beta
EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .beta
EPP Bundle
Create host obj ns.uberdns.com
Add host obj to .beta
EPP Bundle
Create host obj ns.uberdns.com

TLD Operator | IANA | NTIA | VeriSign

add ns.uberdns.com for .alpha

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

add ns.uberdns.com for .beta

→ EPP Bundle: Add host obj to .beta → 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

Private Testing

Public Testing

Dec 1
2009

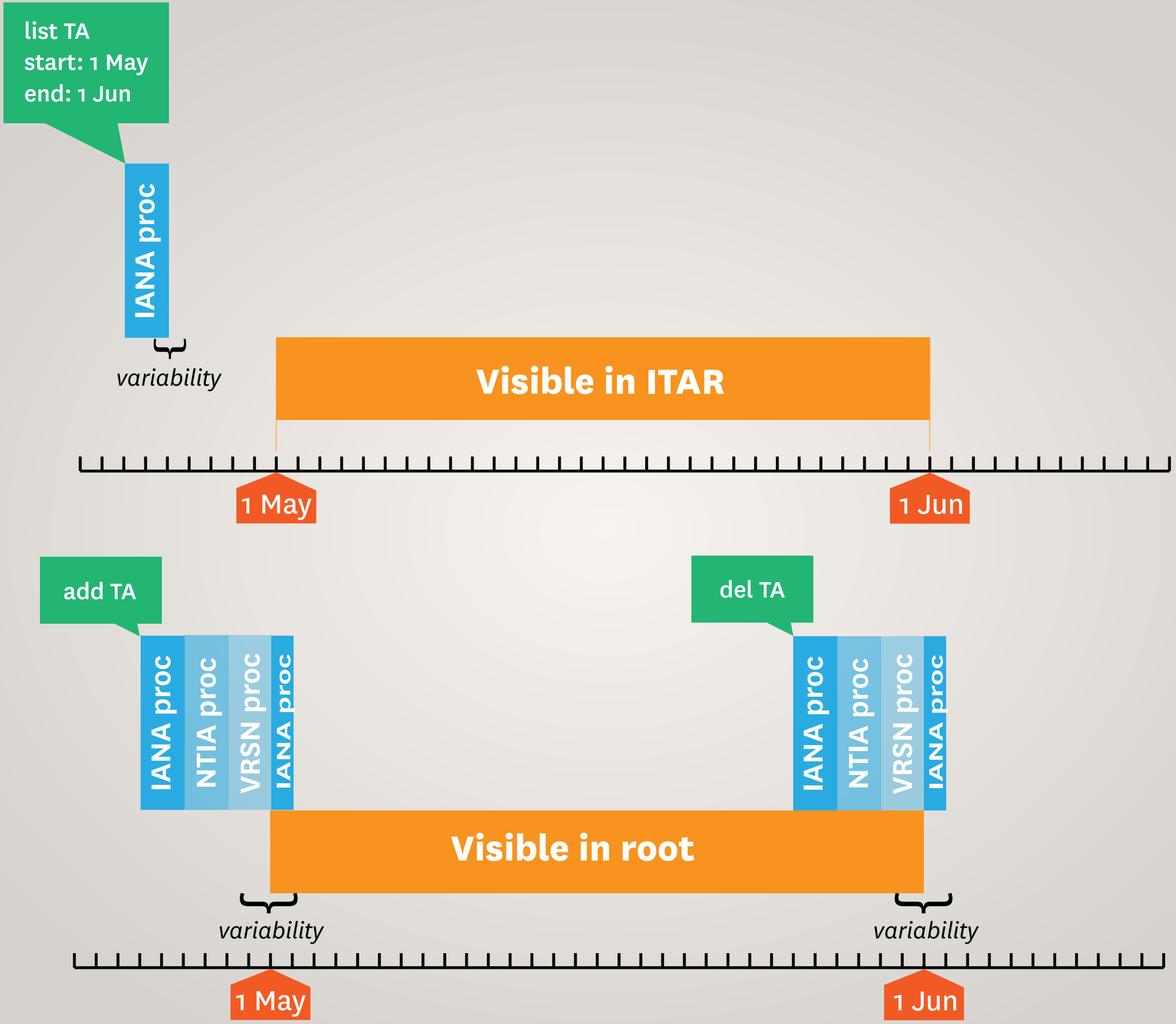
Full Production

Jul 1
2010

Now

Signing the root zone

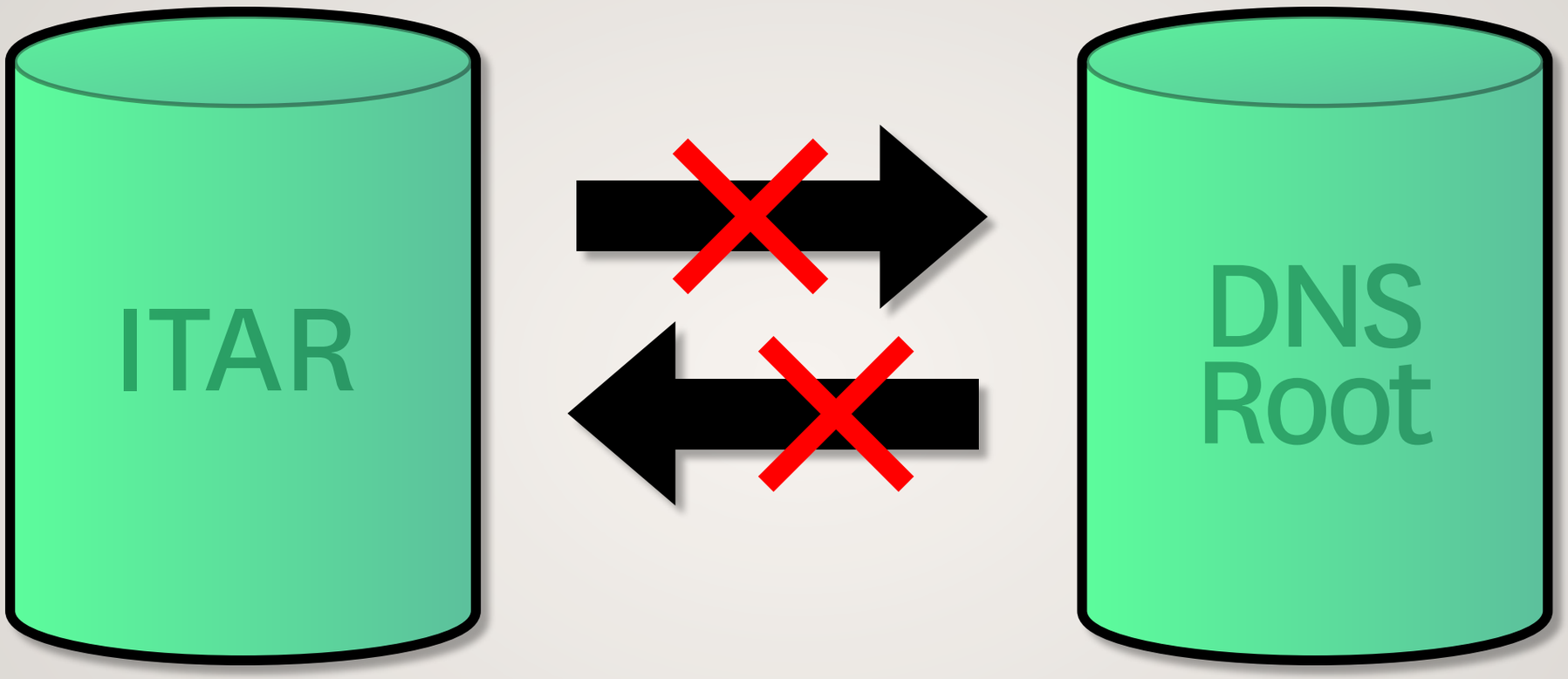
- Key handling interactions will be modeled on current root zone management process
  - Template-based change request form submitted to IANA
  - Therefore, somewhat deviated from ITAR practice
- Transition to web-based interactions with launch of root zone automation platform
  - Provide template completion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


list TA
start: 1 May
end: 1 Jun
IANA proc
variability
Visible in ITAR
1 May
1 Jun
add TA
IANA proc
NTIA proc
VRSN proc
IANA proc
del TA
IANA proc
NTIA proc
VRSN proc
IANA proc
Visible in root
variability
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


ITAR
DNS
Root

IDN ccTLDs

YES
NO

Phase 1

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

Phase 2

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!

twitter.com/kjd
twitter.com/theiana