



# ICANN Update

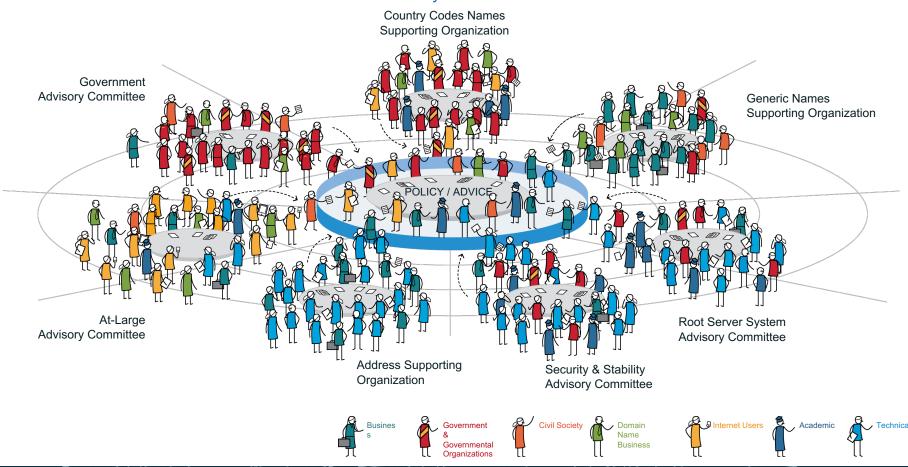
Champika Wijayatunga | SANOG29 - Pakistan | Jan 2017

# The ICANN Community At Work

### The Bottom-Up Multistakeholder Model

The collective efforts of the ICANN community culminate in a common shared goal:

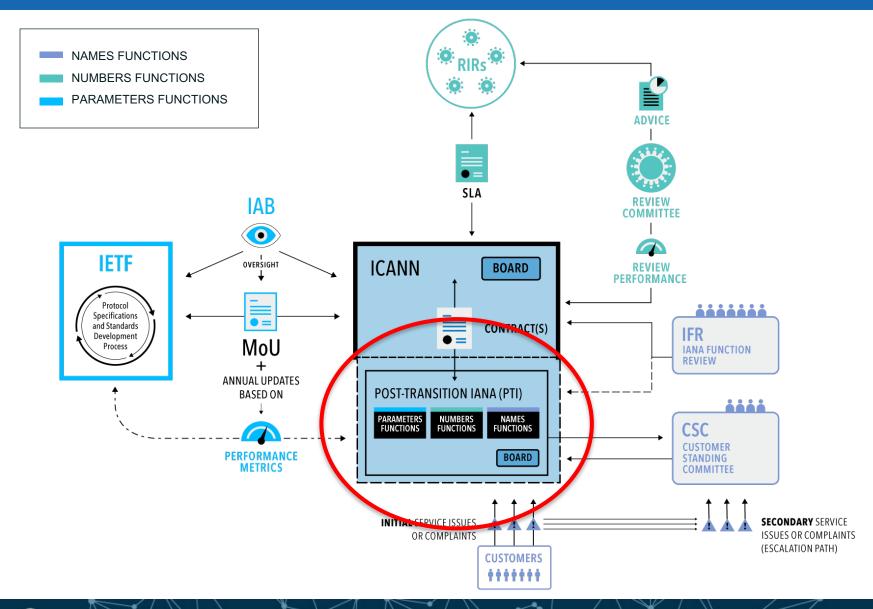
A single, interoperable Internet supported by stable, secure and resilient unique identifier systems







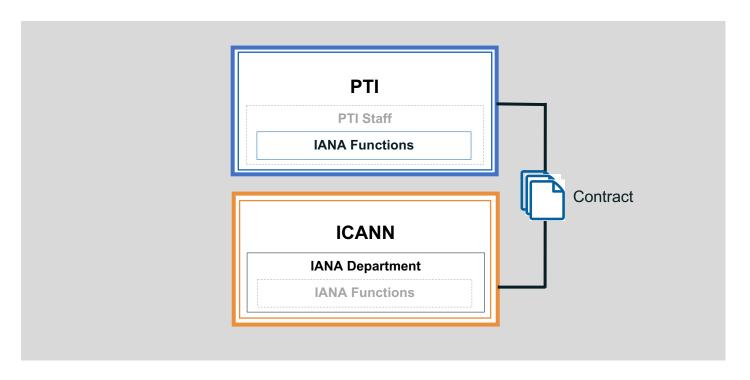
# Overview





### What is PTI?

**Public Technical Identifiers (PTI)** is an affiliate of ICANN that is responsible for performing the IANA functions and delivering the IANA Services, on behalf of ICANN.



PTI implements agreed policies and principles developed by the ICANN multistakeholder community.

# What Stays the Same?

The definition of the IANA functions

Domain Names, Numbering Resources, and Protocol Parameters

The registries related to names, numbers and protocol parameters

Individuals performing the work

IANA Department staff are seconded to PTI

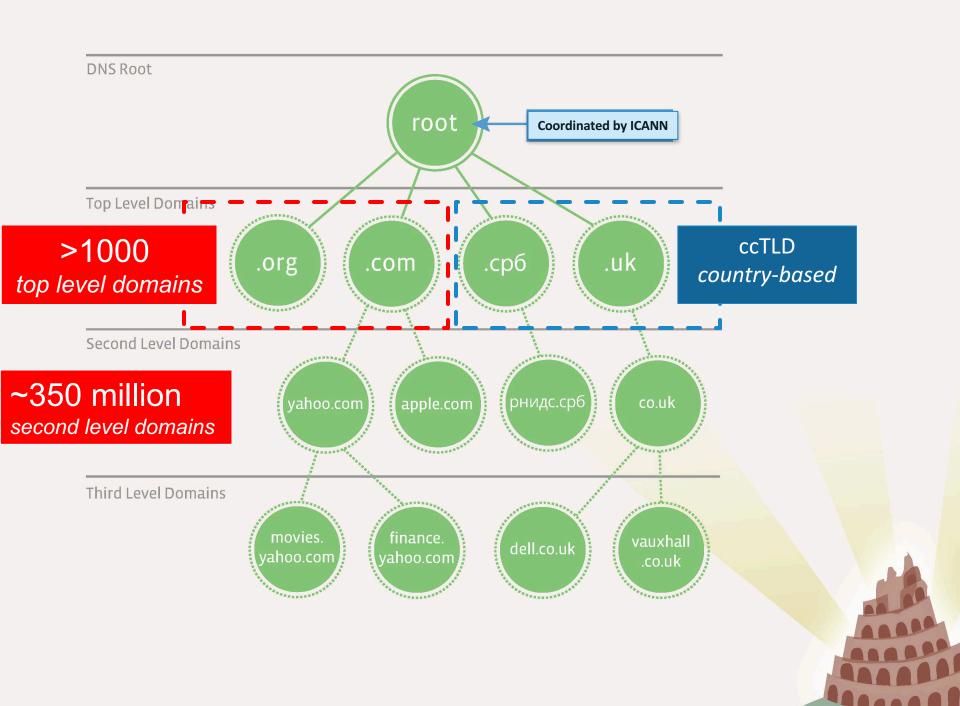
Location of the operational information

The operational reports of the IANA services will remain on iana.org

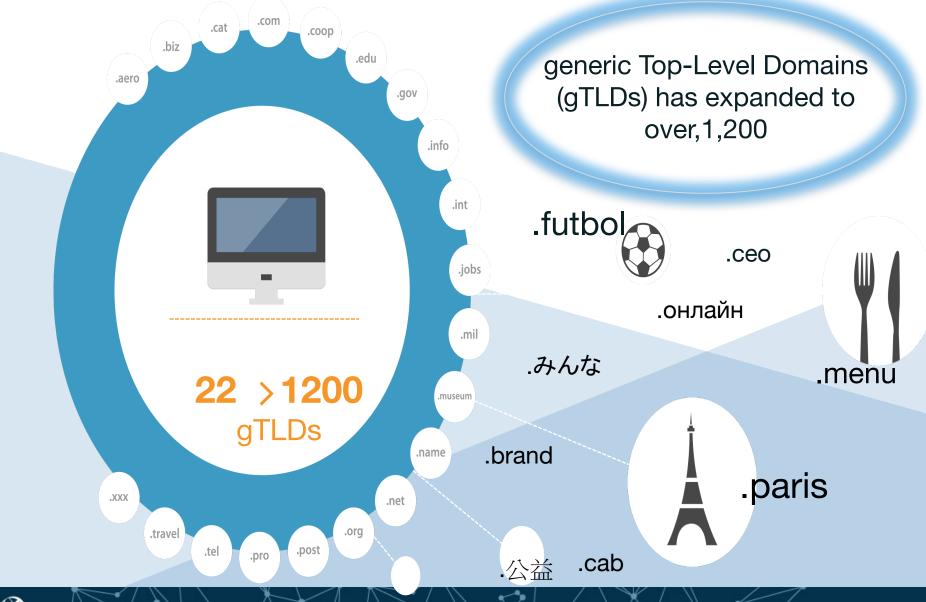
Methods for submitting changes or updates to the registries







# New gTLDs





### **ASCII Domain Name Label**



# Forming ASCII Labels Use LDH

- Letters [a-z]
- Digits [0-9]
- Hyphen (LDH)

Label length = 63

Other constraints (e.g. on hyphen)

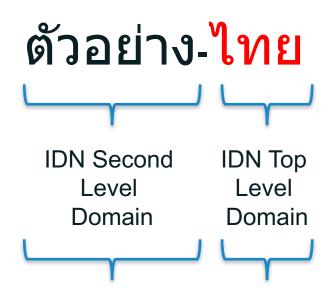
# Forming ASCII Labels Use only Letters

Letters [a-z]

Label length = 63



# Internationalized Domain Name (IDN) Labels



Syntax of IDN Labels
Valid U-Label: Unicode
code points as
constrained by IDNA2008
Valid A-Label - "xn--"
followed by punycode of
U-Label of length 59

Syntax of IDN Labels
Valid U-Label, further
constrained by the "letter"
principle for TLDs
Valid A-Label



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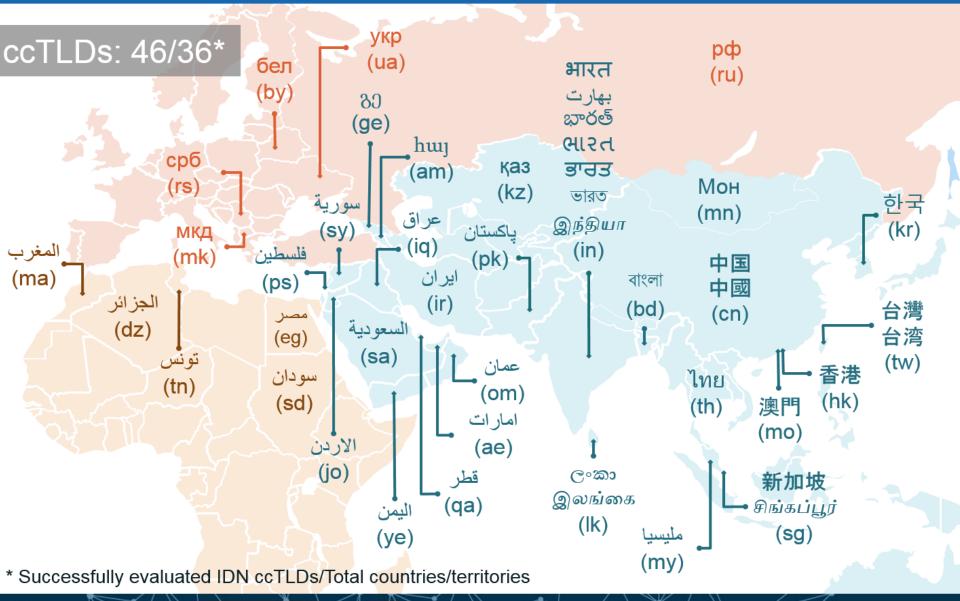
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# IDN ccTLD Fast Track Process







### WHOIS INACCURACY COMPLAINT



#### WHAT IS WHOIS?

WHOIS is a publicly available directory containing information about registered domains such as icann.org, including contact information for the registrant or registrar. The WHOIS Lookup tool enables you to retrieve this information using a web browser.

#### WHY IS ACCURATE WHOIS DATA IMPORTANT?



Ensures domain name holders receive renewal notices and important updates.



Reduces the chance of fraud - such as an unauthorized transfer or change.



Protects your domain name against suspension or deletion, which can happen if information is inaccurate or missing,

#### HOW DO YOU FILE A COMPLAINT?



#### WHAT IF YOU SPOT AN ERROR IN WHOIS?

Do you hold the domain name?



#### FILING TIPS

- Respond to ICANN requests for more information in the requested timeframe.
- If you think the contact email address for the domain is incorrect, give evidence that emails you sent to the email address were undeliverable.
- Make sure your complaint is valid - e.g., a contact telephone doesn't need to be in the same geographic location as the mailing address

#### HOW DO YOU LOOKUP DATA IN WHOIS? GO TO:



https://whois.icann.org/

Type in your complete domain name

e.g. icann.org





#### **KEY TERMS**



Part of a URL corresponding to your unique address on the Internet,







# Universal Acceptance of TLDs

# All domain names should be treated equally.

Including:

пример.рф

site.example

名称@网站.域名

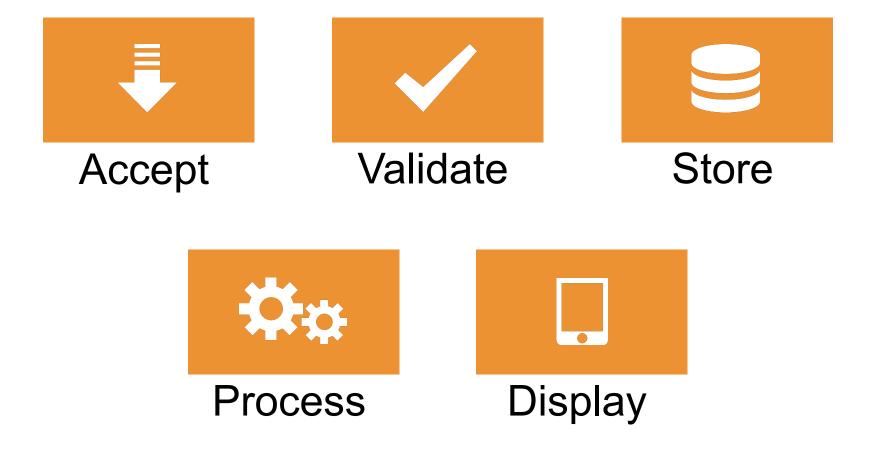
Internationalized Domain Names

New gTLDs

Internationalized Email Addresses



# **UA - Key Principles**





### Get Involved



# Universal Acceptance Steering Group

Helping software developers and website owners understand how to update their systems.



Learn more at http://uasg.tech



# Report an Issue

Found an application or system that's not Universal Acceptance-ready?



Submit a ticket: http://uasg.tech/global-support-centre





### ICANN and the L-Root



- + ICANN is the L-Root Operator
- + L-Root nodes keep Internet traffic local and resolve queries faster
- Make it easier to isolate attacks
- Reduce congestion on international bandwidth
- Redundancy and load balancing with multiple instances



# L-Root presence



Interested in hosting an instance of L-Root? Please talk to us!





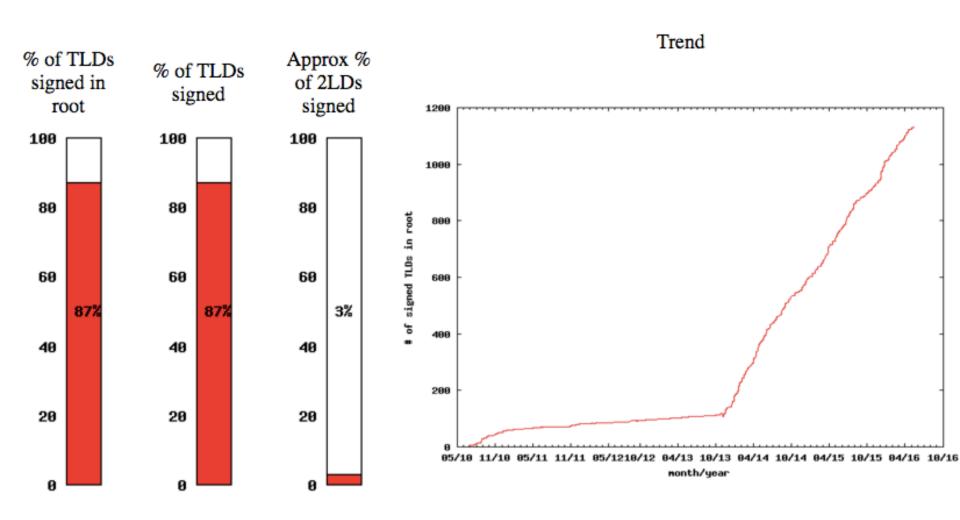
# DNSSEC Deployment – ccTLDs



https://rick.eng.br/dnssecstat/



# DNSSEC Deployment – TLDs and Second LDs

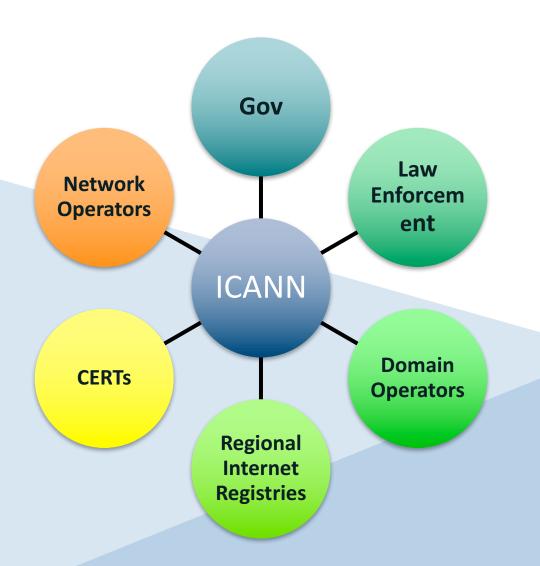


https://rick.eng.br/dnssecstat/





# SSR Engagement



Threat
Awareness and
Response

Trust-based Collaboration

Capability Building

Identifier SSR Analytics





# You are welcome to...



You can participate remotely too!



# ICANN Fellowship Program – Join Us!



Join us for ICANN59 | Johannesburg Learn how to participate in our Fellowship Program.



- + Program Goals
- + Awareness: Engage representatives from developing nations
- + Participation: Build capacity within ICANN community
- Contribution: Create a broader base of knowledgeable constituents



# **Engage with ICANN**



Thank You and Questions

Email:

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ICANN Website: icann.org



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