

IANA Update for TLD Managers

Kim Davies



What have we been up to?

- + Preparing for, and implementing new gTLD delegations
- + IANA-contract related consultations
- + Posting new documentation and new reporting
- + Improving the performance of our processes

New gTLD Processing

- + IANA is an essential part of the new gTLD process, responsible for delegating TLDs in the root zone, and then maintaining ongoing relationships with gTLDs.
- + Work undertaken to optimise the process on all aspects:
 - + RZMS improvements
 - + Orderly hand-off from TAS/SFDC (new gTLD application system)
 - + Process efficiency improvements
 - + Clear repeatable processes
 - + Better documentation
- + Work will benefit ccTLDs
 - + Apply improvements to ccTLD processing
 - + Ensures adequate resourcing for all TLD requests

31 new gTLD delegated

| Birth Date | Domain |
|------------|-----------------------|
| 2013-11-19 | diamonds |
| 2013-11-19 | tips |
| 2013-11-19 | photography |
| 2013-11-19 | directory |
| 2013-11-19 | enterprises |
| 2013-11-19 | kitchen |
| 2013-11-19 | today |
| 2013-11-14 | plumbing |
| 2013-11-14 | graphics |
| 2013-11-14 | contractors |
| 2013-11-14 | gallery |
| 2013-11-14 | sexy |
| 2013-11-14 | construction |
| 2013-11-14 | tattoo |
| 2013-11-14 | technology |
| 2013-11-14 | estate |
| 2013-11-14 | land |
| 2013-11-14 | bike |
| 2013-11-06 | holdings |
| 2013-11-06 | camera |
| 2013-11-06 | voyage |
| 2013-11-06 | guru |
| 2013-11-06 | lighting |
| 2013-11-06 | singles |
| 2013-11-06 | clothing |
| 2013-11-06 | ventures |
| 2013-11-06 | equipment |
| 2013-10-23 | xn--ngbc5azd (شبكة) |
| 2013-10-23 | xn--80asehdb (онлайн) |
| 2013-10-23 | xn--unup4y (游戏) |
| 2013-10-23 | xn--80aswg (сайт) |

| Birth Date | Domain |
|------------|--------------------------------------|
| 2013-10-09 | xn--mgb3a4f16a (ایران) |
| 2013-08-17 | xn--l1acc (мон) |
| 2013-03-19 | xn--j1amh (укр) |
| 2012-09-20 | xn--mgbx4cd0ab (مليسيا) |
| 2012-08-07 | post |
| 2012-07-06 | xn--mgb9awbf (عمان) |
| 2012-03-03 | xn--80ao21a (қаз) |
| 2011-12-09 | sx |
| 2011-12-08 | cw |
| 2011-05-03 | xn--mgb0a9azcg (المغرب) |
| 2011-05-03 | xn--90a3ac (cp6) |
| 2011-05-03 | xn--lgbbat1ad8j (الجزائر) |
| 2011-04-15 | xxx |
| 2011-02-08 | xn--clchc0ea0b2g2a9gcd (சிங்கப்பூர்) |
| 2011-02-06 | xn--3e0b707e (한국) |
| 2011-02-06 | xn--h2brj9c (भारत) |
| 2011-02-06 | xn--s9brj9c (भारत) |
| 2011-02-06 | xn--ogbpf8fl (سورية) |
| 2011-02-06 | xn--mgbh1a71e (بهارت) |
| 2011-02-06 | xn--gecrj9c (भारत) |
| 2011-02-06 | xn--xkc2dl3a5ee0h (இந்தியா) |
| 2011-02-06 | xn--yfro4i67o (新加坡) |
| 2011-02-06 | xn--45brj9c (ভারত) |
| 2011-02-06 | xn--fpcrj9c3d (ಭಾರತ) |
| 2010-12-24 | xn--wgb16a (قطر) |
| 2010-08-20 | xn--mgbayh7gpa (الاردن) |
| 2010-08-20 | xn--ygb12ammx (فلسطين) |
| 2010-08-18 | xn--fzc2c9e2c (இலங்கை) |
| 2010-08-18 | xn--xkc2al3hye2a (இலங்கை) |
| 2010-08-18 | xn--pgbs0dh (تونس) |

Domain information

| | | |
|---------|--------------|--|
| U-label | онлайн | The U-label is the presentation form of the domain. It is the version that is expected to be used by end-users in applications. |
| A-label | xn--80asehdb | The A-label is the encoded form of the domain. It is the version that may be seen as part of technical configuration management. For non-ASCII domains, this version may also be needed in applications that do not have full IDN support. |

Applicant information

The proposed sponsoring organisation for this domain is:

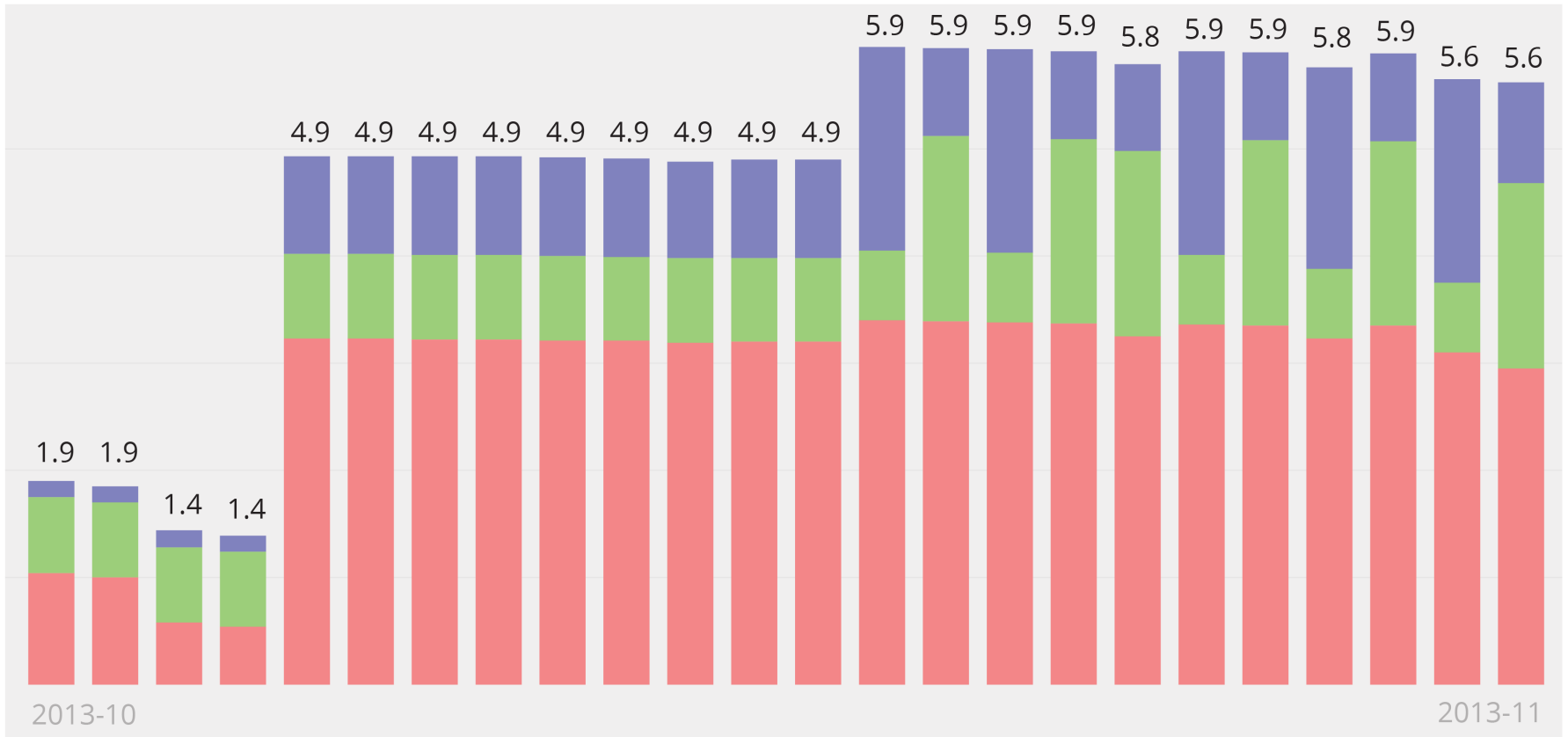
CORE Association

World Trade Center II
29 route de Pre-Bois
Geneva 1215
Switzerland

IANA change request eligibility

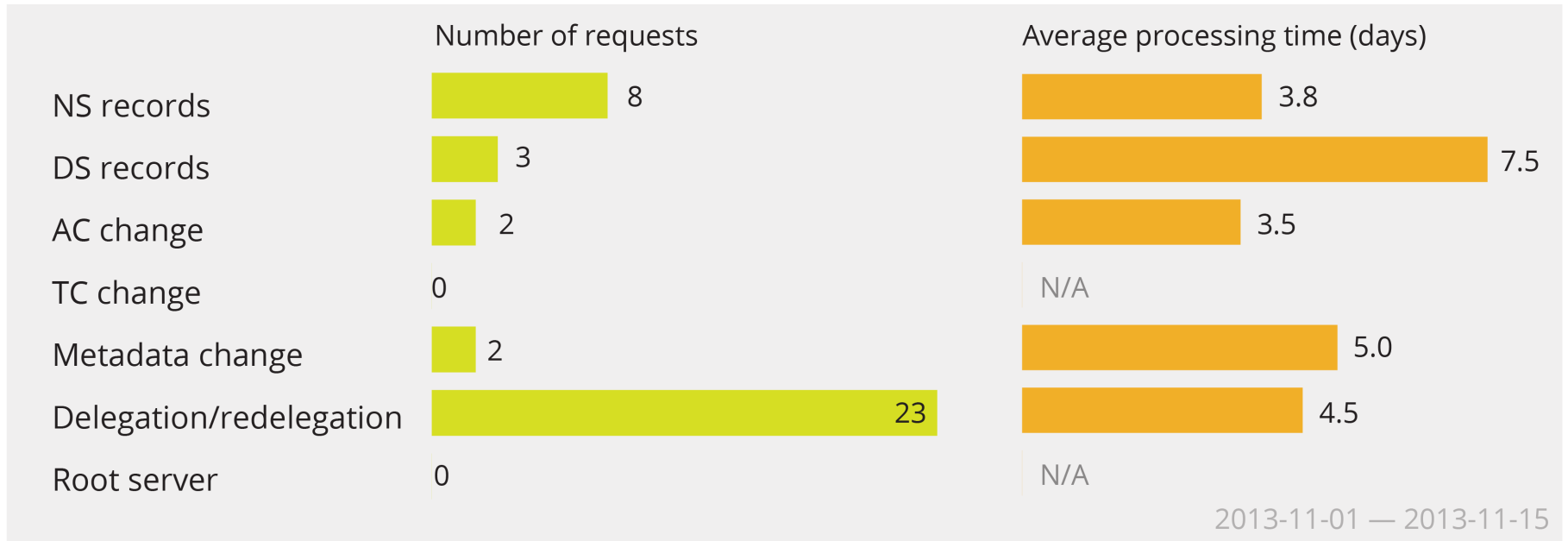
| | | |
|--|------------------------------------|---|
| New gTLD Application Process Completed — ICANN produces a “New gTLD Program String Delegation Readiness Report” that serves as a confirmation that the application submitted for the delegation of a new generic top-level domain name has completed all applicable phases of the New gTLD Program which included opportunities for input from relevant stakeholders as outlined in the Applicant Guidebook and the ICANN New gTLD Program website. | Report 1-862-29948 | ✓ |
| Applicant matches the contracted party — The entity listed as the "sponsoring organisation" in the Root Zone Database has overall responsibility for managing the delegation details with the IANA functions. The entity proposed as sponsoring organisation must match the contracted party that has been approved as part of the New gTLD Program. | Matches | ✓ |
| Contact confirmations — The proposed points-of-contact for the domain must confirm their details are correct and agree to responsibility for management of the domain. | Completed | ✓ |
| Technical conformance — The proposed technical configuration of the domain must pass a number of minimum technical requirements in order to be listed in the DNS Root Zone. | Completed | ✓ |
| Other requirements — The request must pass a number of procedural checks conducted for all root zone changes in order to be transmitted for authorisation and implementation. | Completed | ✓ |

New gTLD processing



99 end-to-end processing (days) Root Zone Administrator processing Root Zone Maintainer processing IANA Functions Operator processing

Root request processing



New reporting

- + Dashboards
- + Performance (SLA) Reports
- + New transparency in root zone changes

Key Performance Indicators

| Metric | Target | Actual | Target Met |
|--|--------|--------|------------|
| Timeliness — End-to-end processing for changes pertaining to routine maintenance of delegated TLDs (such as NS changes, DS changes, point-of-contact changes, and other administrative updates) are performed within 21 days. | 80% | 100% | ✓ |
| Accuracy — The requests that have passed validation are implemented correctly at the conclusion of a change request. | 100% | 100% | ✓ |

Requests Performed

The following requests were completed under Section C.2.9.2.a and C.2.9.2.b during the reporting period:

| Dates | | | | | Targets met | |
|-------|------------------|-------------------|--------------------|-------------------|-------------|----------|
| TLD | Request received | Request validated | Request dispatched | Request completed | Timeliness | Accuracy |
| af | 2013-08-27 | 2013-09-10 | 2013-09-10 | 2013-09-12 | ✓ | ✓ |
| by | 2013-08-28 | 2013-08-29 | 2013-08-30 | 2013-09-03 | ✓ | ✓ |
| bw | 2013-08-28 | 2013-09-04 | 2013-09-04 | 2013-09-06 | ✓ | ✓ |
| sz | 2013-08-29 | 2013-08-30 | 2013-09-03 | 2013-09-03 | ✓ | ✓ |
| ve | 2013-08-29 | 2013-09-03 | 2013-09-04 | 2013-09-06 | ✓ | ✓ |
| gov | 2013-08-29 | 2013-09-10 | 2013-09-10 | 2013-09-10 | ✓ | ✓ |
| nu | 2013-09-02 | 2013-09-04 | 2013-09-05 | 2013-09-05 | ✓ | ✓ |
| md | 2013-09-02 | 2013-09-10 | 2013-09-10 | 2013-09-10 | ✓ | ✓ |
| ykp | 2013-09-02 | 2013-09-02 | 2013-09-04 | 2013-09-06 | ✓ | ✓ |

| TLD | Change Details | Final status (Reason for non-completion if applicable) | Date of Implementation or Closure |
|------------|---|---|--|
| tc | Updated Nameserver Records | Completed | 2013-09-18 |
| cf | Multiple changes affecting Administrative Contact, Sponsoring Organisation | Completed | 2013-09-24 |
| au | Updated Nameserver Records | Completed | 2013-09-24 |
| ar | Multiple changes affecting Administrative Contact, Technical Contact, Domain Metadata | Administratively Closed (Lacked confirmation by a domain contact) | 2013-09-25 |
| my | Add name server NS30.COMMUNITYDNS.NET | Administratively Closed (Unresolved technical issues with request) | 2013-09-25 |
| ki | Multiple nameserver changes involving SNS-PB.ISC.ORG, KI4.DYNTLD.NET, NS.SYDNEY.NIC.KI, NS-KI.RIPE.NET, KI1.DYNTLD.NET, SEC1.APNIC.NET, KI3.DYNTLD.NET, SEC3.APNIC.NET, NS.ANYCAST.NIC.KI, KI2.DYNTLD.NET, PCH.NIC.KI | Completed | 2013-09-26 |
| ro | Multiple nameserver changes involving SEC-DNS-B.ROTLD.RO, SEC-DNS-A.ROTLD.RO | Completed | 2013-09-28 |

| TLD | Change Details | Final status (Reason for non-completion if applicable) | Date of Implementation or Closure |
|------------|---|---|--|
| tc | Updated Nameserver Records | Completed | 2013-09-18 |
| cf | Multiple changes affecting Administrative Contact, Sponsoring Organisation | Completed | 2013-09-24 |
| au | Updated Nameserver Records | Completed | 2013-09-24 |
| ar | Multiple changes affecting Administrative Contact, Technical Contact, Domain Metadata | Administratively Closed (Lacked confirmation by a domain contact) | 2013-09-25 |
| my | Add name server NS30.COMMUNITYDNS.NET | Administratively Closed (Unresolved technical issues with request) | 2013-09-25 |
| ki | Multiple nameserver changes involving SNS-PB.ISC.ORG, KI4.DYNTLD.NET, NS.SYDNEY.NIC.KI, NS-KI.RIPE.NET, KI1.DYNTLD.NET, SEC1.APNIC.NET, KI3.DYNTLD.NET, SEC3.APNIC.NET, NS.ANYCAST.NIC.KI, KI2.DYNTLD.NET, PCH.NIC.KI | Completed | 2013-09-26 |
| ro | Multiple nameserver changes involving SEC-DNS-B.ROTLD.RO, SEC-DNS-A.ROTLD.RO | Completed | 2013-09-28 |

Consultations performed

| Consultation | Status |
|--|--------------------|
| Source of Policies and User Instructions for ccTLD Delegation and Redelegation A consultation on the Source of Policies & User Instructions for delegations and redelegations of country-code top-level domains. | Concluded |
| Source of Policies and User Instructions for gTLD Delegation and Redelegation A consultation on the Source of Policies & User Instructions for delegations and redelegations of generic top-level domains. | Concluded |
| Source of Policies and User Instructions for Internet Number Resource Requests A consultation on the Source of Policies & User Instructions for Internet Number Resource Requests | Concluded |
| Root Zone KSK Rollover Process Seeking feedback on how ICANN should perform a rollover (change) to the Key Signing Key used to sign the DNS Root Zone for DNSSEC. | Reviewing Comments |
| Performance Standards for ccTLD Delegation and Redelegation Seeking feedback on developing performance standards for delegation and redelegation of a country-code top-level domain. | Concluded |
| Performance Standards for gTLD Delegation and Redelegation Seeking feedback on appropriate performance standards for delegation and redelegation of a generic top-level domain. | Concluded |
| Secure Notification Process Seeking feedback on how ICANN should notify the community relating to service changes, outages, and other important announcements. | Concluded |
| Customer Service Complaint Resolution Process Seeking feedback on how ICANN should resolve customer complaints relating to how the IANA functions have been executed. | Concluded |
| Performance Standards for Internet Numbers Resources Seeking feedback on appropriate performance standards for the allocation of Internet Number Resources such as IPv4 and IPv6 allocations, primarily to Regional Internet Registries. | Concluded |


New documentation

- + User Instructions on key IANA functions
- + Building a “Knowledge Base” of help articles
- + Documents include:
 - + Overall process description of root changes
 - + Delegation and Redelegation of ccTLDs
 - + Delegation of gTLDs
 - + Redelegation FAQs
 - + TLD eligibility criteria
 - + How we validate consent to a change
 - + How to write an operational and technical plan
 - + Improved technical requirements documentation

IANA — Root Zone Procedures

www.iana.org/domains/root/help

Reader



Internet Assigned Numbers Authority

DOMAINS NUMBERS PROTOCOLS ABOUT IANA

Domain Names

- Overview
- Root Zone Management**
 - Overview
 - Root Database
 - Hint and Zone Files
 - Change Requests
- Instructions & Guides**
 - Root Servers
 - .INT Registry
 - .ARPA Registry
 - IDN Practices Repository
 - Root Key Signing Key (DNSSEC)
 - Reserved Domains

User Instructions and Guides

Process descriptions and guides

- [Root Zone Change Request Process](#)
- [Delegating a Generic Top-Level Domain](#)
- [Delegating or Redelegating a Country-Code Top-Level Domain](#)

Domain-related help articles

- [Technical Requirements for Requests to Change TLD Nameservers in the Root Zone](#)
- [Information regarding online root management system](#)
- [Eligible Top-Level Domain Strings](#)
- [Obtaining Consent for a Root Zone Change](#)
- [Preparing an Operational and Technical Plan](#)
- [Common Questions and Answers on ccTLD Delegation and Redelegation](#)
- [Procedures for delegating test IDN top-level domains](#)

Domain Names [Root Zone Registry](#) [.INT Registry](#) [.ARPA Registry](#) [IDN Repository](#)

Number Resources [Abuse Information](#)


Protocols [Protocol Registries](#) [Time Zone Database](#)

About IANA [Presentations](#) [Reports](#) [Performance](#) [Reviews](#) [Excellence](#) [Contact IANA](#)

IANA — Preparing an Operational and Technical Plan

www.iana.org/help/operational-plans

Reader



Internet Assigned Numbers Authority

DOMAINS NUMBERS PROTOCOLS ABOUT IANA

Domain Names

- Overview
- Root Zone Management**
 - Overview
 - Root Database
 - Hint and Zone Files
 - Change Requests
 - Instructions & Guides**
 - Root Servers
- .INT Registry
- .ARPA Registry
- IDN Practices Repository
- Root Key Signing Key (DNSSEC)
- Reserved Domains

Preparing an Operational and Technical Plan

This article provides additional detail on preparing an operational and technical plan as it relates to the procedure to delegate or redelegate a country-code top-level domain (ccTLD).

General overview

ICANN's role is to review whether the proposed manager will perform its tasks with a satisfactory level of operational and technical competency. We primarily do this by asking a requestor to provide a technical and operational plan describing how the proposed manager will manage the domain.

It is recognised that the requirements for operating a ccTLD vary significantly by country. The operational approach for a small country with limited number of domains will be very different from a registry that maintains millions of registrations and has committed to providing a high-level of uptime, 24x7 support, and an automated registration interface such as an EPP-based registry.

The review process is not intended to enforce a particular approach on all requestors. We review the planning assumptions made against the proposed set up of the operation. We apply our understanding of industry norms, to consider if the assumptions are reasonable and if the proposed operation is likely to satisfy those assumptions. If the assumptions or plans appear unreasonable, we will make additional enquiries to the requestor to better understand the proposal.

Considering this assessment approach, a key part in developing a plan is documenting the assumptions and policy constraints that apply to the operation. For example, some of the questions to consider would be: What are the number of projected domains within the ccTLD that need to be managed? How many transactions are expected to be processed? What are the service-level obligations (for uptime, responsiveness, etc.) that the registry is committed to? What are the specific policy requirements that the registry is required to implement?

If the plans provided do not document such assumptions, or do not provide a sufficient level of detail so that the proposed operations can be understood, we may not be able to properly assess the technical and operational capacity of the proposed manager.

Requestors should be aware the plans are not just limited to the technical systems, but also to other resourcing of the proposed management of the domain. Plans should include explanations of the software, hardware, network architecture, staffing, expertise and facilities of the proposed manager.

Certified



Committed to excellence
2013

In summary...

- + Exceeding expectations in new gTLD handling
- + New reporting — <http://iana.org/performance>
- + New documentation — <http://iana.org/domains/root/help>
- + Committed to Excellence
- + More to come!