



# IANA Update for the ccNSO

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ICANN



# Who are we?



Elise



Kim



Naela



Michelle



Leo



Pearl



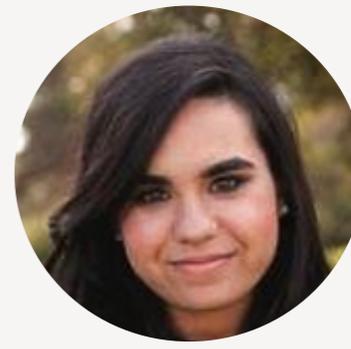
Amanda



Selina



Paula



Dalini



Andres



Punky



Marilia

# Evolving our registries

- IANA publishes almost 3,000 registries
- Primarily publication methods are web site, XML, WHOIS

# Areas under consideration for all registries

- Searchability
- Filtering and sorting by different fields
- Aggregation
- Structured data
- APIs

# RZDB specific ideas

- Translation/transliteration of strings
- Script and language of strings
- Entry into service
- A-labels and U-labels
- Taxonomy
- History
- Downloadable exports
- Counts
- IETF reserved domains
- RDAP



Chinese

.中文网 **GTLT**  
zhongwen wang

*website*

CITEC Group Corporat

.中信 **GTLT**  
zhongxin

*CITIC*

CITEC Group Corporat

.中国 **CCTLD**  
zhongguo

*China*

China Internet Networ



Cyrillic

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*Moscow*

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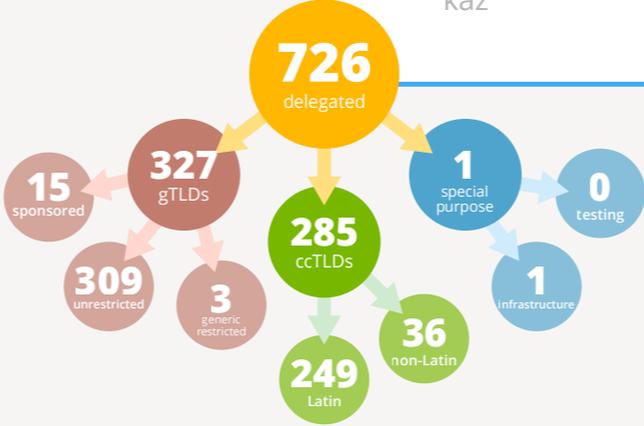
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Association of IT Comp



# Evolving our contact model

- Current IANA contact model dates back to the 1980s
- The Internet is a very different place today
  - Customer service contacts differ from persons of authority within TLD management
  - Needs for stronger authentication controls
- Following from our discussion in Singapore and London...

# Current contact model

## Administrative Contact

- 1 Listed in public WHOIS
- 2 Approves change requests
- 3 Must be in country (ccTLDs)

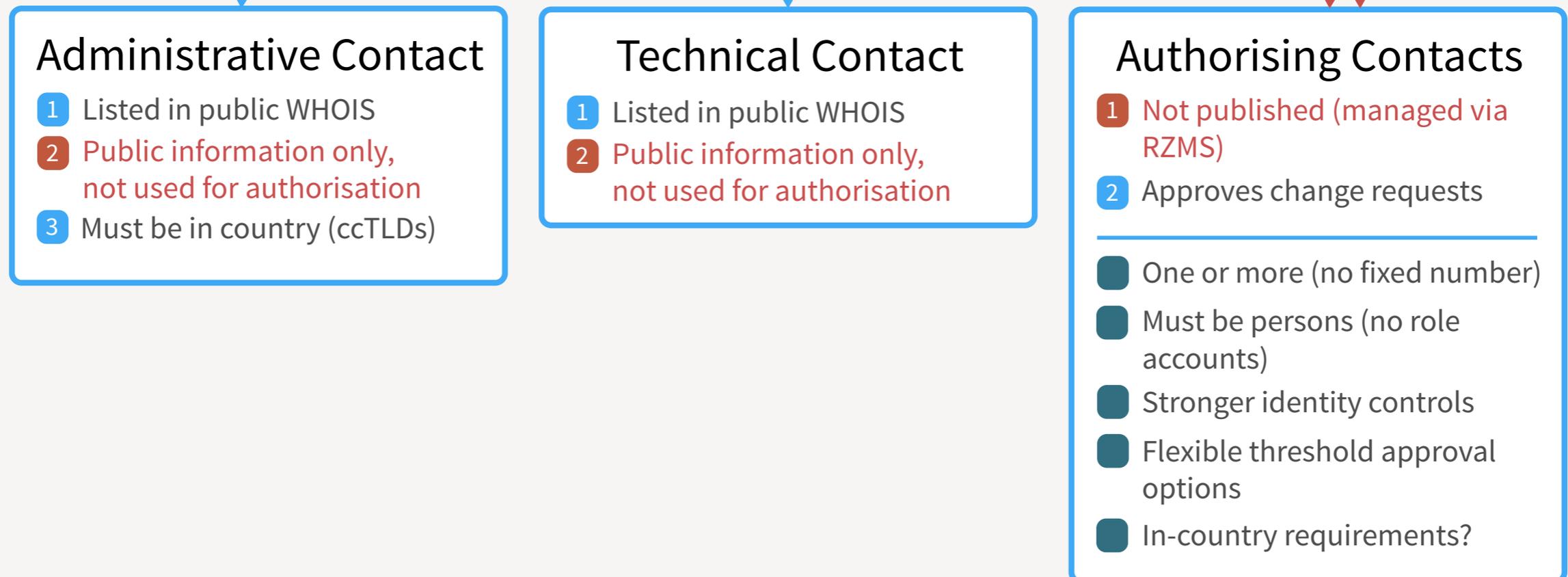
## Technical Contact

- 1 Listed in public WHOIS
- 2 Approves change requests

# Current



# Future?



# Manage authorisers

For each domain you appoint one or more authorisers. These are contacts who are involved in reviewing changes and providing approval for those changes.

## Authorisation model

- Joint authorisation** This model requires that all registered authorisers approve of a change for it deemed to be approved.
- Threshold authorisation** This model requires that the threshold of authorisers to be met. Requests will be deemed approve once the threshold of authorisers approves the change.

Approval threshold

## Authorisers

Naela Sarras	naela.sarras@icann.org	Delete authoriser
Elise Gerich	elise.gerich@icann.org	Delete authoriser
Kim Davies	kim.davies@icann.org	Delete authoriser

Add authoriser

Each TLD has the option of two models, either "joint" model where all authorisers must approve, or a "threshold" model where a minimum number must approve.

A new interface is provided to add and remove authorisers for a given TLD.

Draft wireframe only

# Manage user profile

Name

Full Legal Name  
(if different)

Email address

Telephone number

Cell phone number

Use this number for recovering my login credentials if I forget them

## Password

Enter new password

Re-enter password

## Second form of identification

Require a second form of identification from me before allowing me to approve or alter change requests

Require a second form of identification from me before allowing me to login to this account

[Establish electronic authentication](#)

A new set of information is collected for authorising contacts. This is more akin to the type of information held by a bank to establish identity. Should include things like the person's name (no role accounts), security questions, and contact methods. We will start recording cell phone numbers so we can use SMS to automatically send them password recovery codes.

A new interface is provided to add and remove authorisers for a given TLD.

Draft wireframe only

# Review a pending change request

You are an authoriser for the .xyz domain. We have received the following change request for this domain that requires your review. Please review this request and respond by **18 August 2014**.

## Update to technical contact

<b>Current</b> IANA Root Management ICANN 4676 Admiralty Way Marina del Rey CA 90292 USA	→	<b>Proposed</b> IANA Root Management ICANN 12025 Waterfront Drive Los Angeles CA 90094 USA
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Clearer description of what is changing which presents as a visual comparison

As a representative of this domain, if you are satisfied this change request should proceed, please confirm you approve of the change. If you are not happy with this change, you may reject it. If you have noticed an error and wish to withdraw the request, you may go to your management dashboard and perform that action.

I, **Kim Davies**, as an authorising contact for .xyz:

<b>Approve request</b>	I believe the change request is correct and should proceed.
<b>Reject request</b>	I do not agree that this change request should proceed.

Clear statement of what the options are and the result of those actions

There are 3 contacts that need to approve this change request. 2 have approved this change request. We will continue processing once all 3 have approved the change request. If we do not receive all responses by 18 August 2014 we may administratively close this request.

## Authorisers for this change request

IANA Root Management	Proposed Technical Contact	Approved on 2014-08-02
Elise Gerich	Joint Authoriser	Approved on 2014-08-03
Kim Davies	Joint Authoriser	Waiting for response

Improved awareness of who needs to approve a change request and the status of approvals.

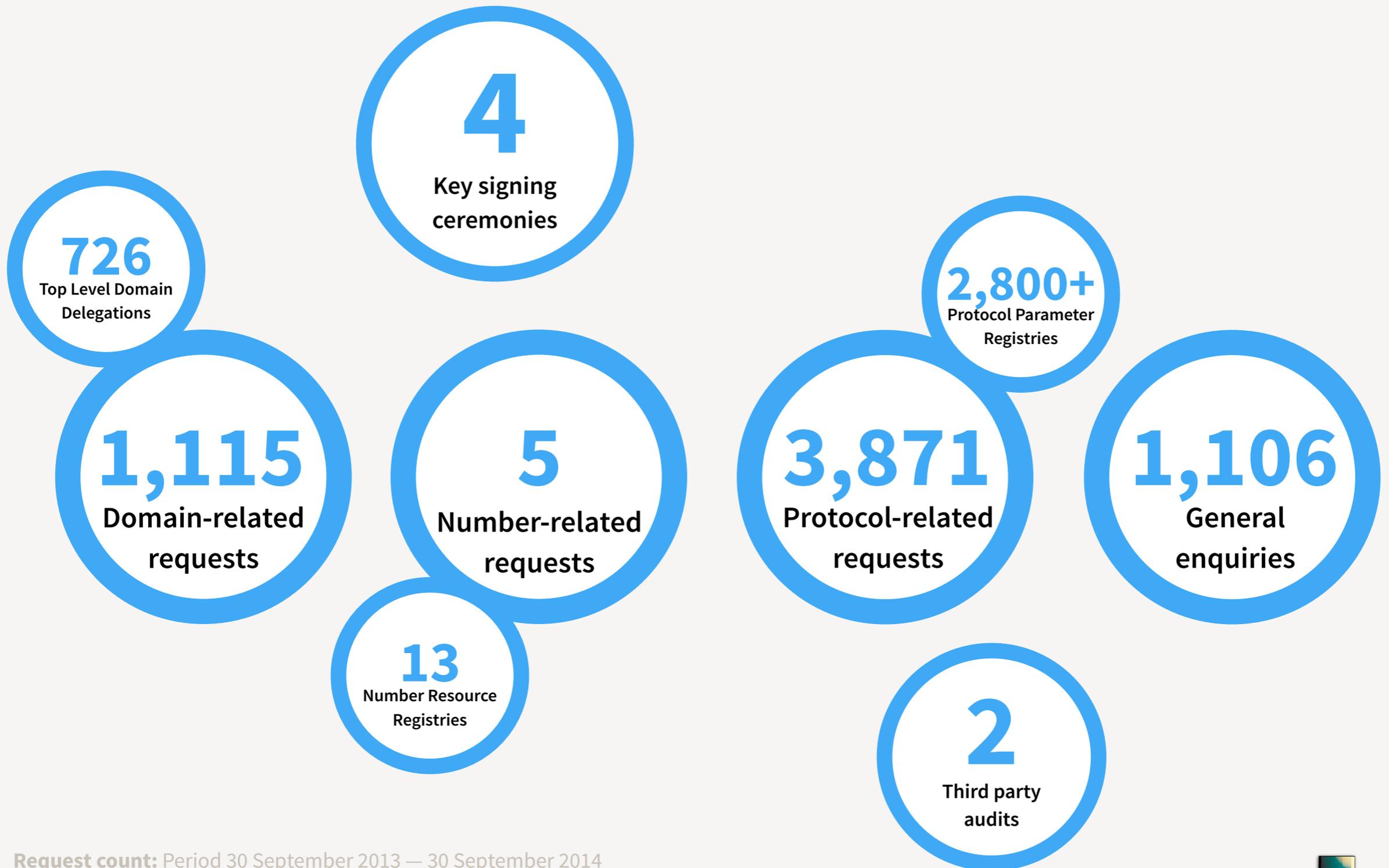
Draft wireframe only

# Development road ahead

- Experiment with contact models
- Root Zone KSK Key Rollover
- Outcome of NTIA transition discussion

In closing...

# How big is the job?

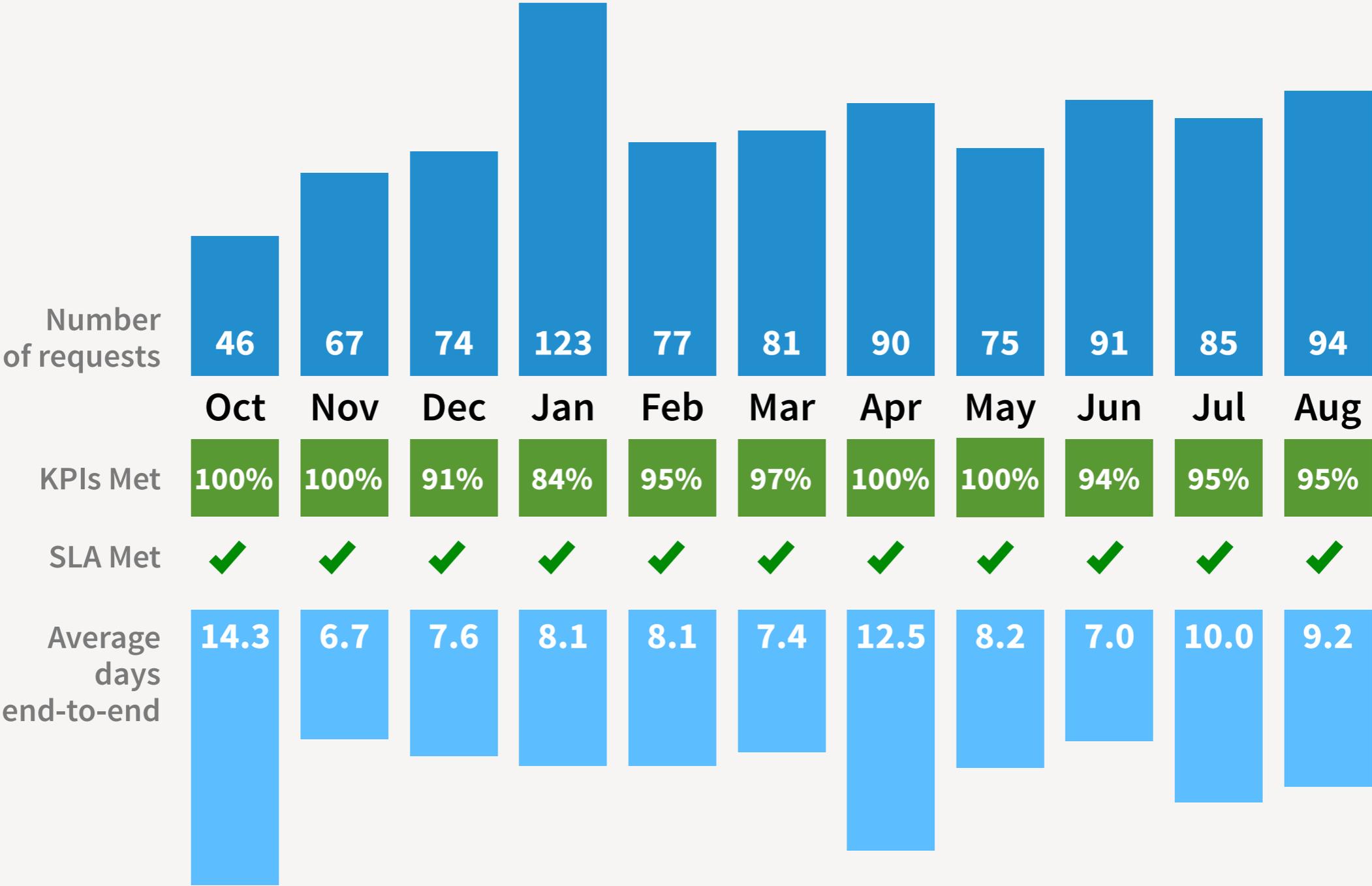


**Request count:** Period 30 September 2013 — 30 September 2014

**TLD count:** As at 7 October 2014

Domain related requests include processing .int, .arpa and other non-root related requests

# Performance



Comprehensive service level performance reporting at [iana.org/performance](http://iana.org/performance)



Thank you!