IANA Services Plenary Report
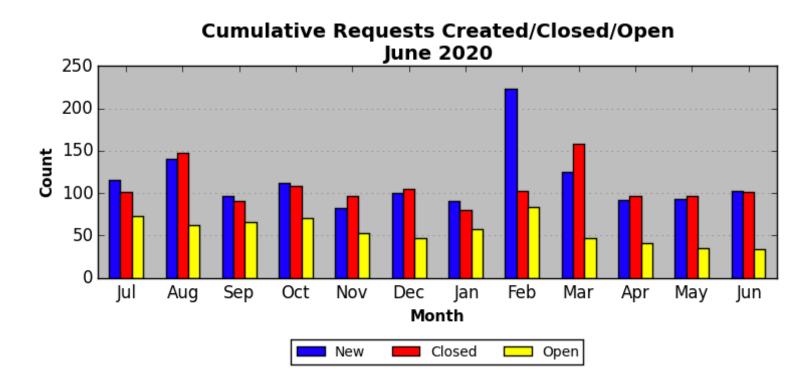
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IETF-108, Virtual Meeting
July 2020

ICANN | I A N A F u n c t i o n s

Processing IETF Related Requests

A look over the past 12 months (July 2019 - June 2020)*

Cumulative Requests Created/Closed/Open June 2020

*Does not include Private Enterprise Number (PEN) Requests

IANA Services Activity

Protocol Parameter requests since IETF-107
(March 2020 – June 2020)

Processed more than 1202 IETF-related requests.
This includes: Document reviews, registry creations, new registrations,
modifications to existing registrations, and deletions.

- Reviewed 68 I-Ds in Last Call
- Reviewed 68 in IETF Evaluation
- Reviewed 78 documents becoming RFCs
   (40 of the 78 documents had registry actions of some form)
- Media Type requests: 32
- Ports + Port modification requests: 41
- New Private Enterprise Numbers: 647

9 new stand-alone registries and 30 new sub-registries were added
since IETF-107.

SLA Performance

Average cumulative percentage for January 2020 through June 2020 was 100%.

	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020
SLA Target 90%	✅	✅	✅	✅	✅	✅
Internal Target 95%	100%	100%	100%	100%	100%	100%

Update on Deliverables, Projects and Documentation

- The 2021 SLA is currently being drafted
  - Updates to the delivery dates for the Annual Review of Protocol Parameters deliverable

- Registry workflow system work progressing. Development work currently focused on processing First Come First Served requests. Focusing on development of the contact model for the system.

IANA Services and DNSSEC

As of 24 July 2020, 1374 TLDs have a full chain of trust from the root. See:
http://stats.research.icann.org/dns/tld_report

Ceremony 40 was successfully executed on 16 February 2020
- An administrative ceremony took place February 11th, the day before the originally scheduled KSK Ceremony date, to replace an aging safe dial. The last time this safe dial would've ever operated, it failed to do so
- KSK Ceremony was postponed for the first time ever
- Approximately 20 hours across two days to drill into the lock assembly and remove the bolt to allow the safe to open
- Followed by safe remediation and installation of new lock
- Complicated by triggering anti-defeat mechanisms in the lock due to novel materials in safe construction

Ceremony 41 was successfully executed on 23 April 2020
- The evolving Coronavirus situation caused us to focus on developing contingencies for this ceremony as the situation deteriorated
- Notably, the design of the Key Management Facilities is designed to enable key operations to be performed in a disaster recovery scenario without the minimum number of TCRs present

IANA Services and DNSSEC

Ceremony 41 cont.
- Settled on an approach to perform the ceremony with minimum personnel, with TCRs participating remotely.
  - DPS revised to clarify roles and responsibility and provide flexibility for disaster recovery
  - Obtained ICANN Board and executive approval, community buy-in
  - Minimized the scope of the ceremony by eliminating non-essential acts
  - 4 of 7 TCRs transmitted their secure credentials to 4 surrogates in Los Angeles
  - Hold the ceremony on the time and date scheduled, but in El Segundo, not Culpeper as originally planned with minimized attendees
  - **Sign nine months of key material instead of the typical three months**
  - **Release signatures to Verisign in 3 month increments as usua**l
  - Balance the risk of being unable to hold a ceremony versus the risks of generating an extended period of signatures. **No need to hold a ceremony earlier than February 2021 as a result**.
  - Bolstered normal remote participation to make it active rather than passive. Those that would have had trusted roles in-ceremony had a private Zoom conference. Allowed TCRs and others to play comparable role remotely, ability to interject and so on.

IANA Services and DNSSEC

Due to current world health concerns, plans are very fluid and may change.

Ceremony 42 is anticipated to take place in the first quarter of 2021.

Root Zone KSK Rollover information:
https://www.icann.org/resources/pages/ksk-rollover

Those who are interested in becoming a Trusted Community Representative (TCR) may submit a statement of interest at http://www.iana.org/tcr

IANA Services DNSSEC information https://www.iana.org/dnssec/
Root KSK ceremonies https://www.iana.org/dnssec/ceremonies

For more information…

- IANA Services Office Hours at Virtual IETF-108 in Gather.town

  - Monday, Tuesday 1130-1900

  - Wednesday, 1130-1400

  - Thursday 1130-1900

  - Send email for questions and requests for early document reviews to iana@iana.org

- For the list of registries: http://www.iana.org/protocols

- For monthly statistics reports: http://www.iana.org/about/performance/ietf-statistics

Thank You!

Michelle Cotton

July 2020