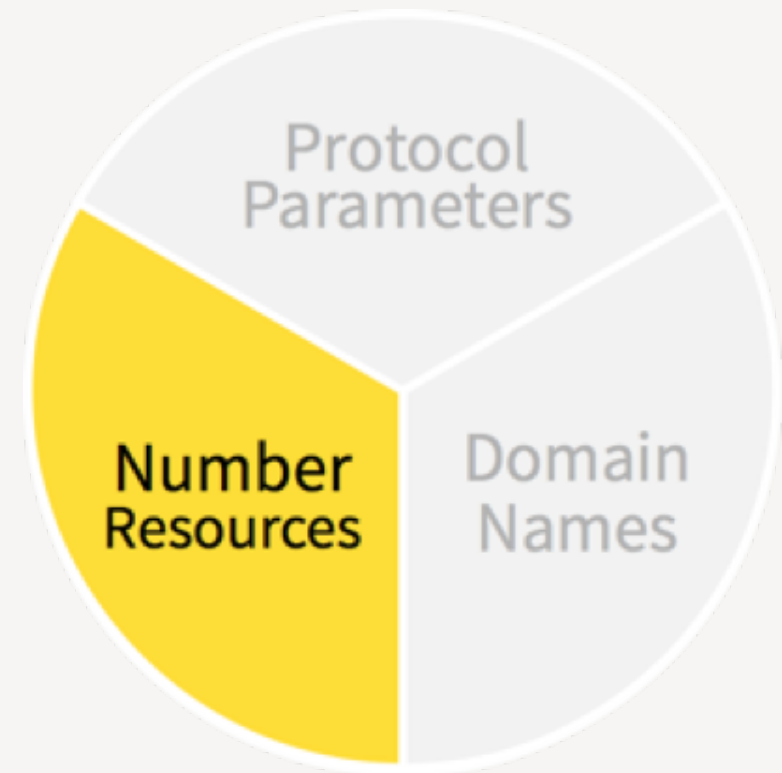


# IANA Numbers Function Update

Kim Davies  
IANA Services

RIPE 77: Amsterdam, Netherlands  
19 October 2018



**PTI** | An ICANN Affiliate

# Our team

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IETF RELATIONS



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PRESIDENT



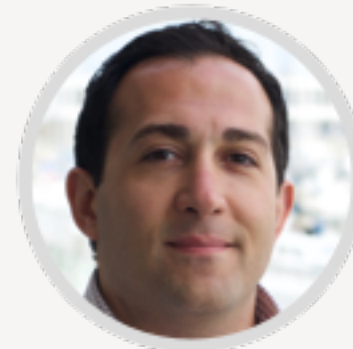
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# Customer Satisfaction Survey

- 2018 Annual survey currently being conducted
  - Number segment sent to the RIR CEOs and Registration Services Managers.
  - Results due at end of year
- 100% satisfaction rate in 2017. The average over the past 4 years was 99%.
- Accuracy and Timeliness have historically been reported the two most important performance aspects for the Numbers function.
- For next year, migrating to sending surveys after each interaction. Annual surveys retained for strategic questions only.



<https://iana.org/performance>

## Number Resource Performance

September 2018

### Performance Summary

These performance targets are derived from section 4.3 of the Service Level Agreement for the IANA Numbering Services for the allocation of unicast IP addresses and AS numbers to the five Regional Internet Registries.

- ✓ Requests acknowledged on time (100%)
- ✓ Responded on time (100%)
- ✓ Implemented on time (100%)
- ✓ Implemented accurately (100%)

### Individual Requests to Regional Internet Registries

Date	Request Type	Request Processing Details
2018-09-04	IPv4 Unicast	<div>✓ Responded on time (0.0 days)</div> <div>✓ Implemented on time (0.9 days)</div> <div>✓ Accurately implemented</div> <div>More info</div>

<https://iana.org/performance>



# Audit Programs

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**Registry Assignment and Maintenances Systems (including number resources).** 2017 report issued with no exceptions. Number processes and policies were included for the first time.



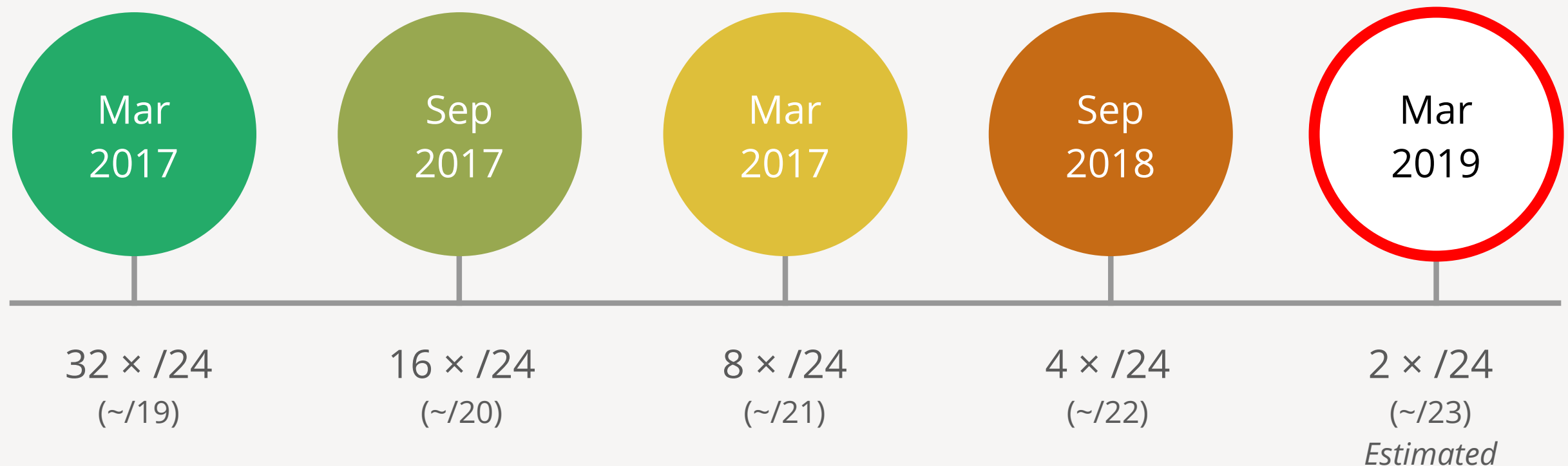
**Root Zone KSK.** 2017 report issued with no exceptions. This report provides confidence that the trust anchors for the domain name system are properly managed.



Public RFP to select new audit firm completed. RSM replaces PricewaterhouseCoopers for 2018 audit program.

<https://iana.org/audits>

# IPv4 Recovered Pool Allocation



- Unallocated remaining Recovered IPv4 Address Space is: **3,328 (11.7 bits)** available to allocate. If we do not receive additional returned addresses, the last allocation from the recovered pool will take place in **March 2019**.
- Allocations made from the Recovered IPv4 Address Space are made in accordance with the Global Policy for Post Exhaustion IPv4 Allocation Mechanism by the IANA (Ratified 6 May 2012).

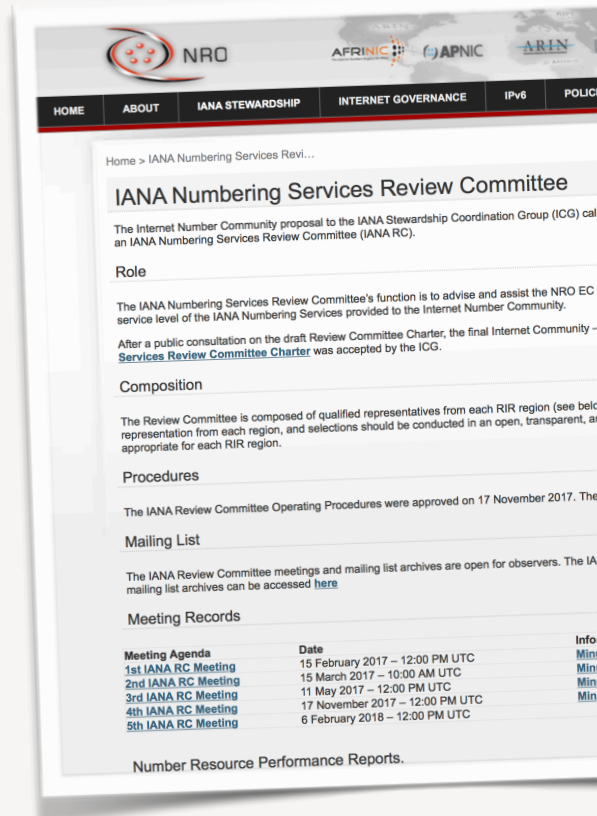
# IANA Numbering Services Review

The IANA Numbering Services Review Committee (IANA RC):

- comprised of RIR community and staff representatives;
- advises and assists the NRO EC in its periodic review of the service level of the IANA Numbering Services provided to the Internet Number Community.

Performed a review of the period March-December 2017:

1. Compiled a 2017 IANA Performance Matrix Summary Report.
2. Solicited public comments for consideration by the IANA RC
3. After evaluating input, issued the 2017 IANA Numbering Services Review Committee Report.



<https://www.nro.net/iana-numbering-services-review-committee/>

# KSK Rollover

- Multi-year process to replace the trust anchor for the DNS for the first time
- Considered sensitive as how software copes with updating the anchor had been untested in the real world.
- Cut-over was originally planned for 11 October 2017 but was delayed to study late-breaking telemetry data.
- Cut-over was conducted on **11 October 2018**.
- Preliminary data suggests there was minimal impact from the change and it went better than most expected.
- Still remains to revoke the old key, and then safely destroy the old key. Will take lessons learned and plan for future rollovers.



<https://iana.org/dnssec>



# Budget Process

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- Currently conducting our Fiscal Year 2020 budgeting process (commencing July 2019).
  - PTI and IANA budgets are devised by their own process, and then rolled up into ICANN budget which funds 100% of costs.
- Following preliminary discussions on priorities, draft budget has been composed and is now available for public comment.
- Proposed budget is flat to previous year.
- <https://www.icann.org/public-comments/pti-iana-fy20-2018-09-28-en>
- Comments due 12 November

**Thank you!**

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