

# IANA Numbers Function Update

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**ICANN** | IANA Functions

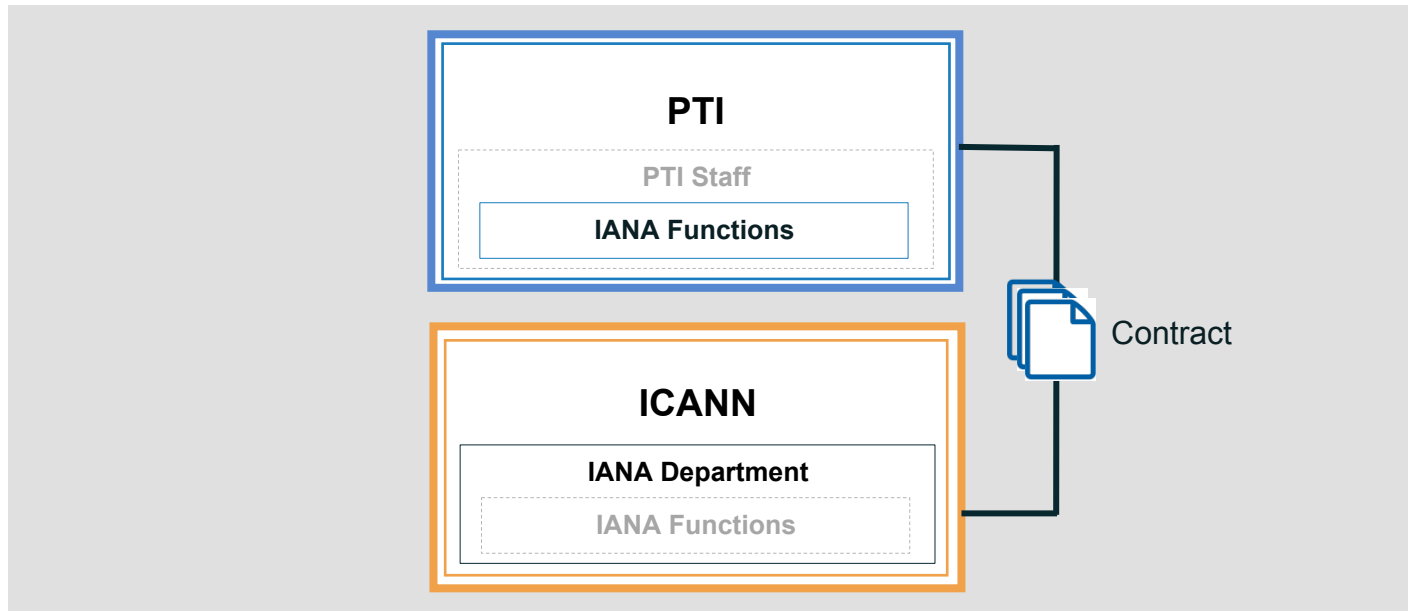
# Update on IANA Numbers Function

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- ⦿ What is PTI?
- ⦿ Who do you contact?
- ⦿ DNSSEC Announcements
- ⦿ Performance Reporting
- ⦿ Annual Third-party Activities

# What is PTI?

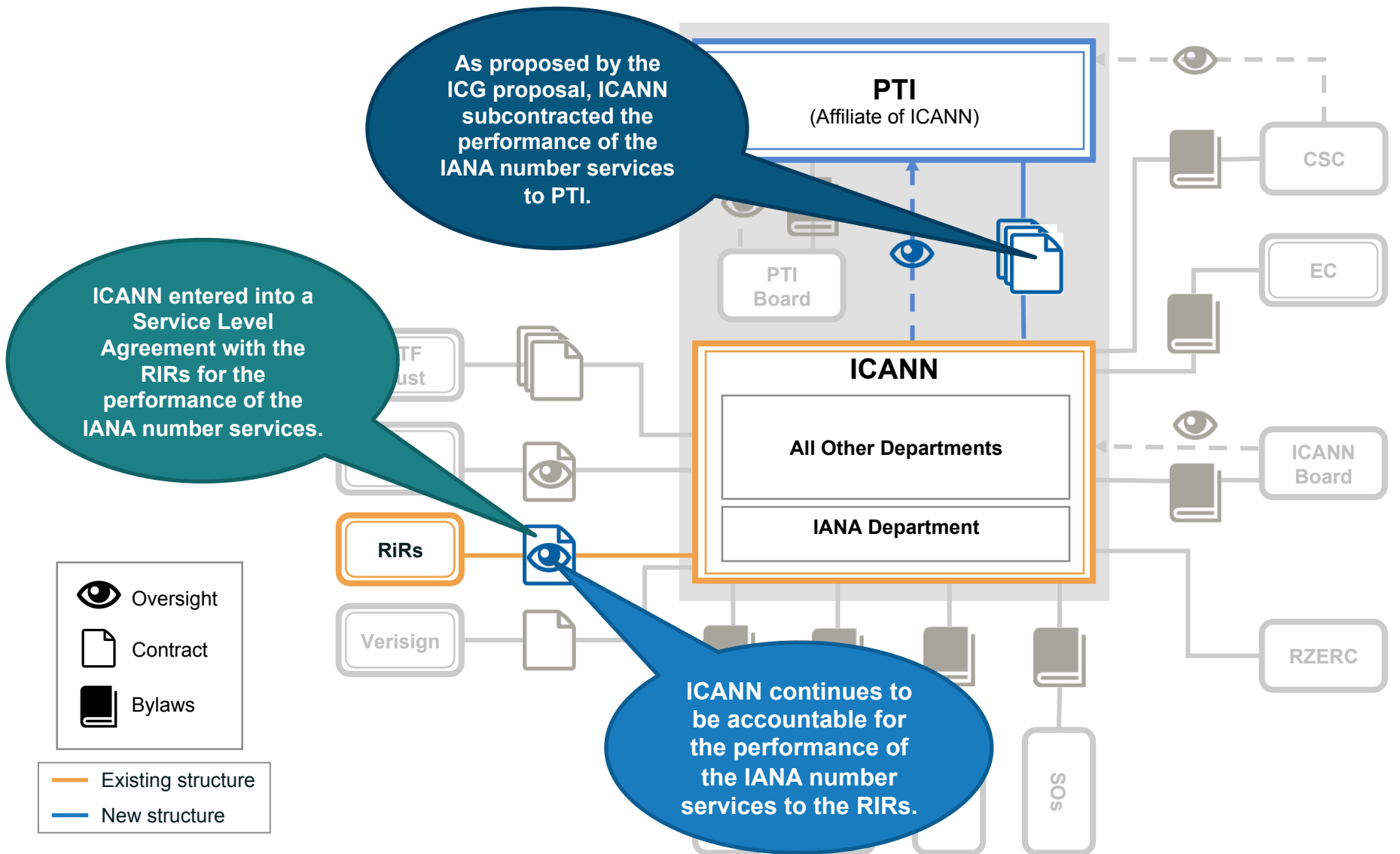
**Public Technical Identifiers (PTI)** is an affiliate of ICANN that is responsible for performing the IANA functions and delivering the IANA Services, on behalf of ICANN.



PTI implements agreed policies and principles developed by the ICANN multi-stakeholder community.

ICANN employees are seconded to PTI to deliver the IANA Services.

# Relationship between RIRs and PTI



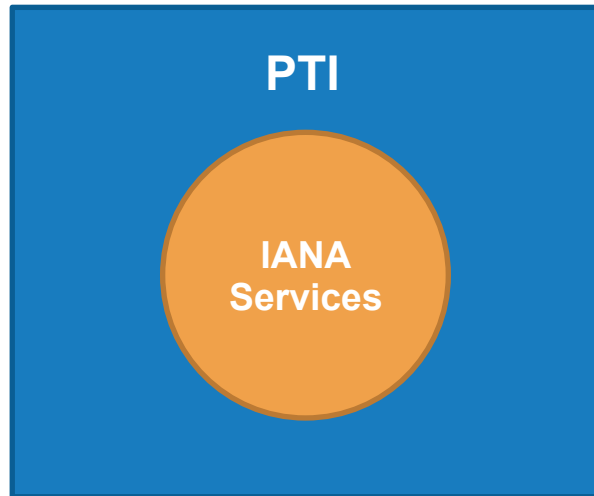
# Who Do I Contact?



# Who do I contact?

## I have a question about the IANA services, who do I contact?

To find governance documents, directors, agreements, and meetings of PTI, visit [pti.icann.org](https://pti.icann.org).



To find the operational reports of the IANA services, including deliverables and information on the IANA functions visit [iana.org](https://iana.org).

Operational questions can still be sent to:

- [iana@iana.org](mailto:iana@iana.org)

PTI staff will receive emails sent to either an ICANN or IANA email address:

- [elise.gerich@icann.org](mailto:elise.gerich@icann.org) or [elise.gerich@iana.org](mailto:elise.gerich@iana.org)

# Instruction Page for Number Requests

## About IANA

- Introduction to IANA
- Performance Reporting
- Procedures**
- Presentations
- Public Reports
- Framework Documents
- Reviews
- Audits
- Excellence & Quality
- Glossary of terms
- Contact us

[http://www.iana.org/  
help/inr-request-  
procedure](http://www.iana.org/help/inr-request-procedure)

## Making Internet Number Resource Allocations to Regional Internet Registries

### IPv4 Address Allocations

When an RIR has less than half a /8 in its inventory it should notify ICANN to begin allocations to all the RIRs from the Recovered IPv4 Pool. This is a one-time event, as allocations are made on a schedule and not in response to specific requests from each RIR; only one RIR needs to make the request for ICANN to begin allocation to all RIRs. Notification that an RIR has less than half of a /8 in its inventory should be sent to [ipv4-request@iana.org](mailto:ipv4-request@iana.org).

The formula for distributing addresses from the recovered pool can be found at [ICANN's website](#).

### IPv6 Address Allocations

RIRs requesting additional IPv6 address space because they have less than 50% of a /12 need to provide ICANN with a summary of how much IPv6 address space the RIR has allocated and/or reserved and how much is fragmented. The request and the summary documenting the distribution of the allocated space should be submitted in the [spreadsheet template](#) to [ipv6-request@iana.org](mailto:ipv6-request@iana.org).

An RIR requesting additional IPv6 address space because it does not have enough space for the next nine months must provide ICANN with the amount of address space allocated by the RIR in each of the last six months. The request and the summary should be submitted in the [spreadsheet template](#) to [ipv6-request@iana.org](mailto:ipv6-request@iana.org).

The formula for determining eligibility for additional IPv6 allocations can be found at [ICANN's website](#).

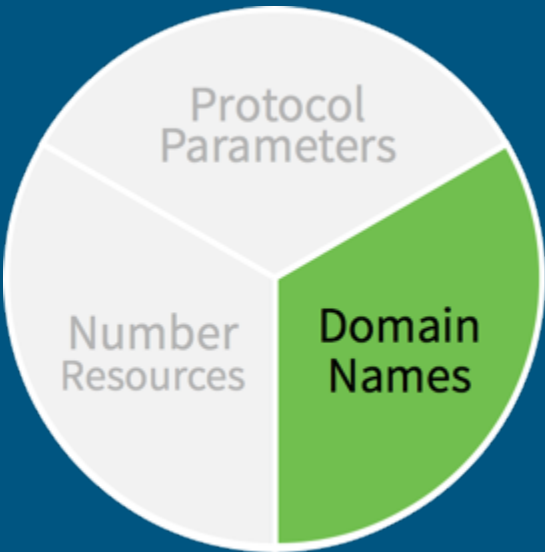
### AS Number Allocation

An RIR requesting additional AS Numbers because it has assigned/allocated over 80% of its last block of AS Numbers needs to provide a summary of assignments/allocations it has made. If the RIR is requesting more than one block of AS Numbers, it needs to provide a usage summary for the six months prior to the request. Requests for additional AS Numbers should be submitted in the [spreadsheet template](#) to [asn-request@iana.org](mailto:asn-request@iana.org).

An RIR requesting additional AS Numbers because the number of free AS Numbers it holds is less than two months needed, must provide a usage summary for the six months prior to the request. Requests for additional AS Numbers should be submitted in the [spreadsheet template](#) to [asn-request@iana.org](mailto:asn-request@iana.org).

The global policy for allocation of AS numbers can be found at [ICANN's website](#).

# DNSSEC Announcements





# Root Zone KSK Rollover

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- ⦿ Replacing the Root Trust Anchor for the first time
- ⦿ Becomes operational in October 2017
- ⦿ DNSSEC implementors must update their trust anchor with the new one that was published in February 2017
- ⦿ Documentation
  - ⦿ <https://www.icann.org/resources/pages/ksk-rollover>

# Trusted Community Representatives (TCRs)

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- ⦿ Current TCRs from the Latin America region
  - ⦿ Nicolas Antonello, UY ( Cryptographic Officer since 2016)
  - ⦿ Carlos Martinez, UY (Cryptographic Officer since 2010)
  - ⦿ Frederico Neves, BR (Cryptographic Officer since 2010)
  - ⦿ Jorge Etges, BR (Back up TCR since 2010)
- ⦿ TCRs maintain custody of essential pieces required for the successful operation of the Root Zone KSK.
- ⦿ Individuals interested in applying to be a TCR are invited to review detailed materials posted on the IANA website, which includes the process to submit a statement of interest.
- ⦿ Please review detailed materials posted on the iana.org website
  - ⦿ <https://www.iana.org/help/tcr-criteria>
  - ⦿ <https://www.iana.org/help/tcr-roles>

# Performance Reporting



# Monthly Report

## Number Resource Performance



March 2017

### 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   |
|------------|--------------|--|
| 2017-03-01 | IPv4 Unicast | 2017-03-01 00:00:00 Request received from Scheduled Allocation <a href="#">Less info</a><br> 0.0 business days      |
|            |              | 2017-03-01 00:00:00 Request acknowledged<br>✓ Acknowledged on time (within 2 business days)<br> 0.8 business days |
|            |              | 2017-03-01 19:32:40 Implemented using resource(s)<br>✓ Implemented on time (within 2 business days)<br>✓ Implemented accurately  |

# Monthly Report

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## Number Resource Performance

April 2017

### 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

No Regional Internet Registry requests were performed in this period.

# Annual Third-Party Activities



# Information Security Audits

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- ⦿ Completion of a Service Organization Control (SOC) 3 audit of the RZ KSK System.
- ⦿ Completed a Service Organization Control (SOC) 2 audit of the IANA Registry Maintenance Systems.
- ⦿ Third-party audits are conducted annually and help us to constantly monitor and improve our systems
- ⦿ <https://www.iana.org/about/audits>

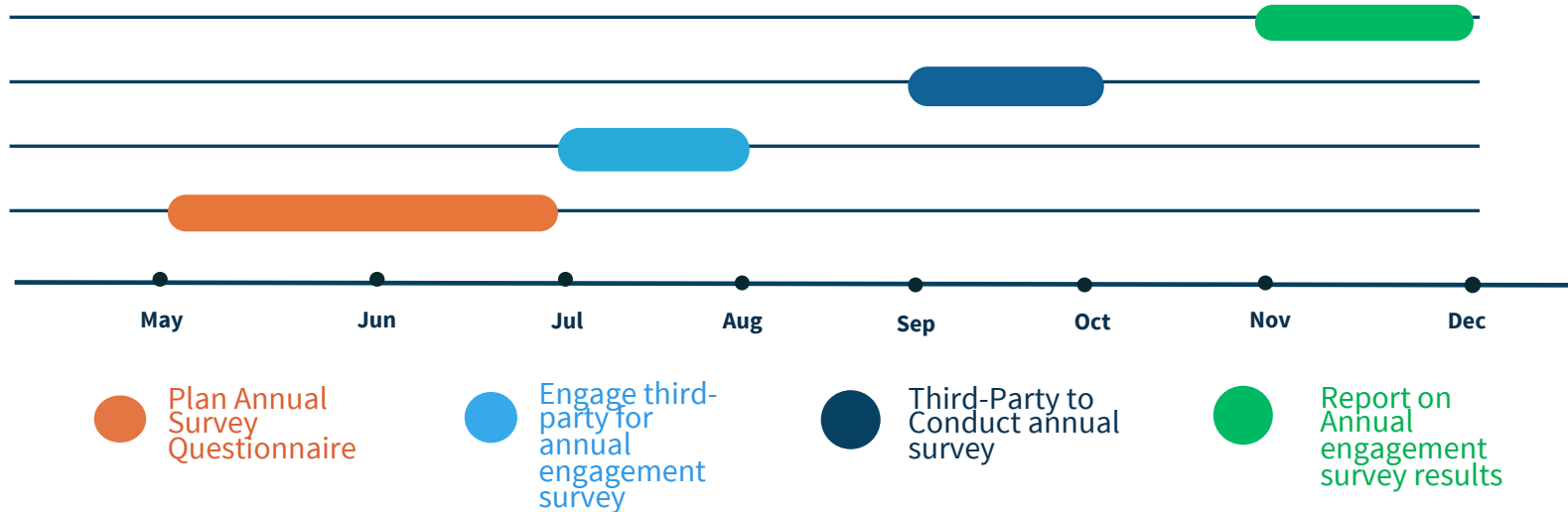
# Customer Satisfaction Survey

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- ⊙ Annual survey sent to the RIR CEOs and Registration Services Managers
- ⊙ Participation rate average 37% over the past 4 years
- ⊙ Satisfaction rate average 99% over the past 4 years
- ⊙ 2017 will be a restructured survey: engagement driven



# Survey Timeline



## Proposed Changes

Annual Engagement survey measures perception of the PTI relationship with direct customers such as IESG, IAB, TCRs, gTLD and ccTLD Operators and RIRs. It will be sent out once a year like the one we do now. Reporting on results will be ready no later than 30 days after the survey closes.

**Thank You!**  
**Questions?**

Elise Gerich and Marilia Hirano  
May 2017