



IANA Activities Update

RIPE 69, London, UK

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Topics

- New and familiar faces
- Satisfaction survey
- Number allocations
- KSK events
- Root management

New and familiar faces



Elise



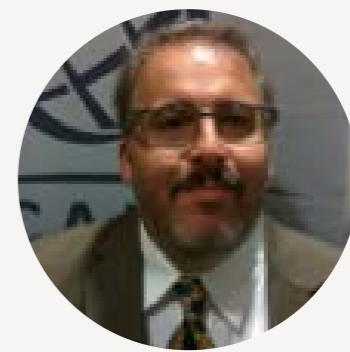
Kim



Naela



Michelle



Leo



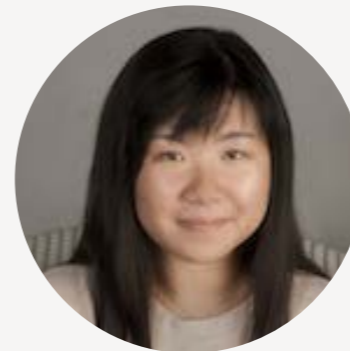
Pearl



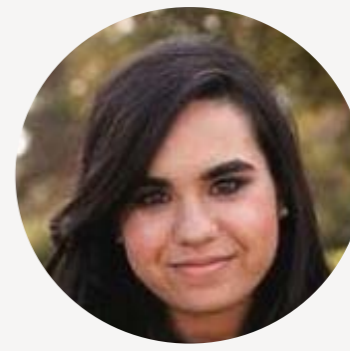
Amanda



Selina



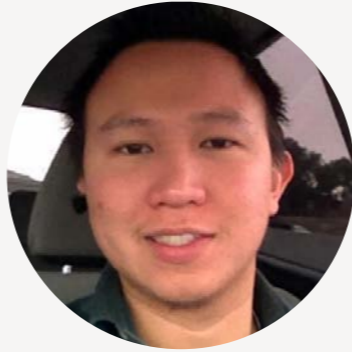
Paula



Dalini



Andres



Punky



Marilia

Satisfaction survey

- 3rd annual survey
- 4,400 customers invited
- 489 respondents
- Satisfaction trending up in most key service aspects
- Plan to publish a full report in January

Number allocations

- 2 AS number allocations since RIPE 68
- LACNIC qualified for 2 blocks
- 1 block composed of 99 16-bit numbers and remainder in 32-bit numbers
- 297 16-bit AS numbers remain unallocated

Number allocations (2)

- IPv4 allocations made on schedule in September
- /12 allocations (1,048,576 addresses)

45.224.0.0 — 45.239.255.255	LACNIC
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45.112.0.0 — 45.127.255.255	APNIC
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45.96.0.0 — 45.111.255.255	AFRINIC
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45.80.0.0 — 45.95.255.255	RIPE NCC
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45.16.0.0 — 45.31.255.255	ARIN
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Scheduled IPv4 allocations

Allocate twice per year

Allocations happen on a pre-defined schedule



Use formula posted online

ICANN publishes the formula used to make selection as open source available for anyone to inspect.

github.com/icann/ipv4-recovery-algorithm

Communicate results

After the formula is applied per the schedule, the results are communicated to the RIRs and operations community, and the IANA registry is updated.

iana.org/assignments/ipv4-recovered-address-space

```
def find_best_match(self, amount, allocatee):  
  
    candidates = {}  
    for block in self.recovered.entries:  
        score = float(math.log(len(block), 2))/32  
        if block.preference == allocatee:  
            score += 0.8  
        if len(block) == amount:  
            score += 0.2  
        candidates[block] = score  
    for block in reversed(sorted(candidates.iteritems(),  
                                key=lambda x: x[1])):  
        size = block[0].end - block[0].start + 1  
        if size > amount:  
            return (block[0].start, IPv4Address(block[0].end))  
        else:  
            return (block[0].start, block[0].end)
```

Allocation of Number Resource KPIs

Metric	Target	Actual	Target Met
Accuracy (1) — Policy is correctly implemented.	100%	100%	✓
Accuracy (2) — Registry is updated before notifying requestor of allocation.	100%	100%	✓
Timeliness and Process Quality (1) — For a specific request, ICANN does not need to seek more than two iterations of clarification from the requesting Regional Internet Registry in order to correctly apply the registration policy.	100%	100%	✓
Timeliness and Process Quality (2) — Requests are to be completed within 7 days.	100%	100%	✓
Transparency (1) — Public announcement of an allocation is made on the same day as the allocation being recorded in the IANA registry.	100%	100%	✓
Transparency (2) — An implementation schedule for a new global policies under C.2.9.3 will be posted following ratifications within 14 days for simple policies, and 30 days for complex policies.	100%	100%	✓

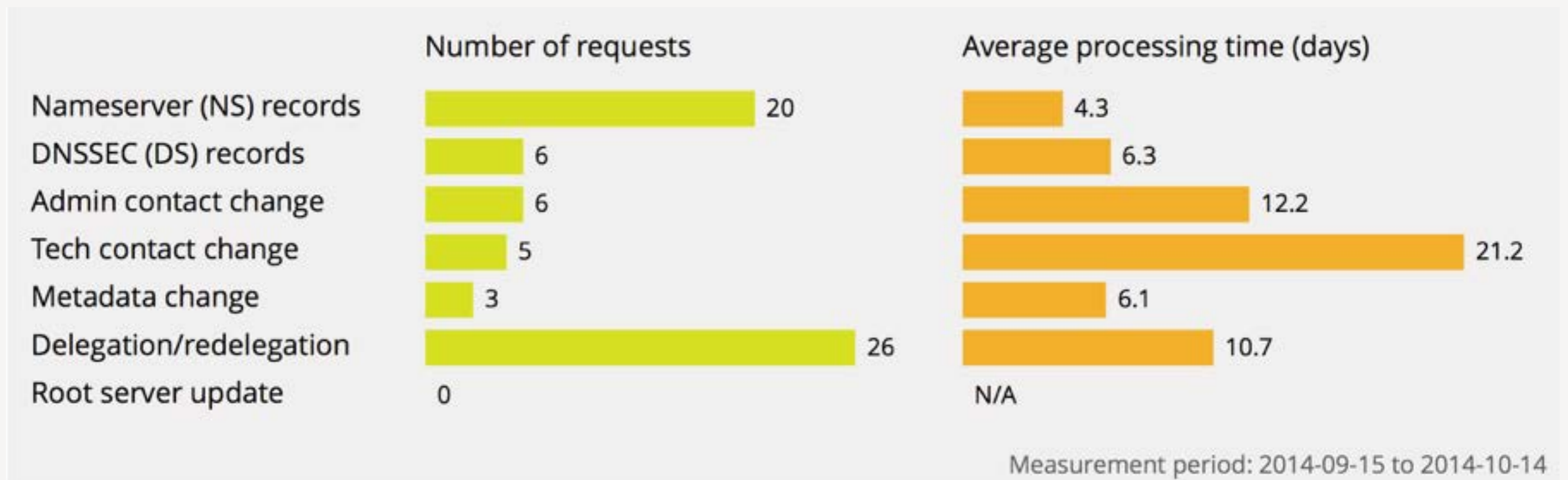
Performance standards consultation completed in April 2013:

<http://icann.org/resources/pages/iana-kpis-2012-11-20-en>

Root Management (1)

- 1 year since we started delegating new gTLDs
- 428 gTLDs were delegated as of 28 October 2014
 - 35 new gTLDs are IDNs
- Performance data at <http://iana.org/performance>

Root Management (2)



IANA Monthly Root Dashboard — October 2014

<http://www.iana.org/performance/root-processing-times>

Root Key Signing Key Events

- KSK Ceremonies
 - Last: 14 August 2014 in El Segundo, CA, USA
<http://iana.org/dnssec/ceremonies/18>
 - Next: 20 November 2014, Culpeper, VA, USA
<http://iana.org/dnssec/ceremonies/19>
- DNSSEC Key Rollover Workshop held at ICANN 51
<http://la51.icann.org/en/schedule/thu-dnssec-key-rollover>

Thank you!