



# IANA Update

Elise Gerich | RIPE 71, Bucharest, Romania | November 2015

# IANA Update

- ⦿ Registry Update – RDAP Servers
- ⦿ IPv4 Recovered Pool Allocation
- ⦿ RDNS CA
- ⦿ H-root server Announcement
- ⦿ 2015 IANA Customer Service Survey

# Registry Update – RDAP Servers

## IANA IPv4 Address Space Registry

### Last Updated

2015-08-10

### Registration Procedure(s)

Allocations to RIRs are made in line with the Global Policy published at [<http://www.icann.org/en/resources/policy/global-address>]  
All other assignments require IETF Review.

### Description

The allocation of Internet Protocol version 4 (IPv4) address space to various registries is listed here. Originally, all the IPv4 address spaces was managed directly by the IANA. Later parts of the address space were allocated to various other registries to manage for particular purposes or regional areas of the world. RFC 1466 [[RFC1466](#)] documents most of these allocations.

### Reference

[[RFC7249](#)]

### Available Formats



185/8	RIPE NCC	2011-02	whois.ripe.net	<a href="https://rdap.db.ripe.net/">https://rdap.db.ripe.net/</a>	ALLOCATED
186/8	LACNIC	2007-09	whois.lacnic.net	<a href="https://rdap.lacnic.net/rdap/">https://rdap.lacnic.net/rdap/</a>	ALLOCATED
187/8	LACNIC	2007-09	whois.lacnic.net	<a href="https://rdap.lacnic.net/rdap/">https://rdap.lacnic.net/rdap/</a>	ALLOCATED
188/8	Administered by RIPE NCC	1993-05	whois.ripe.net	<a href="https://rdap.db.ripe.net/">https://rdap.db.ripe.net/</a>	LEGACY
189/8	LACNIC	1995-06	whois.lacnic.net	<a href="https://rdap.lacnic.net/rdap/">https://rdap.lacnic.net/rdap/</a>	ALLOCATED
190/8	LACNIC	1995-06	whois.lacnic.net	<a href="https://rdap.lacnic.net/rdap/">https://rdap.lacnic.net/rdap/</a>	ALLOCATED
191/8	Administered by LACNIC	1993-05	whois.lacnic.net	<a href="https://rdap.lacnic.net/rdap/">https://rdap.lacnic.net/rdap/</a>	LEGACY
192/8	Administered by ARIN	1993-05	whois.arin.net	<a href="https://rdap.arin.net/registry">https://rdap.arin.net/registry</a> <a href="http://rdap.arin.net/registry">http://rdap.arin.net/registry</a>	LEGACY
193/8	RIPE NCC	1993-05	whois.ripe.net	<a href="https://rdap.db.ripe.net/">https://rdap.db.ripe.net/</a>	ALLOCATED
194/8	RIPE NCC	1993-05	whois.ripe.net	<a href="https://rdap.db.ripe.net/">https://rdap.db.ripe.net/</a>	ALLOCATED
195/8	RIPE NCC	1993-05	whois.ripe.net	<a href="https://rdap.db.ripe.net/">https://rdap.db.ripe.net/</a>	ALLOCATED
196/8	Administered by AFRINIC	1993-05	whois.afrinic.net	<a href="https://rdap.afrinic.net/rdap/">https://rdap.afrinic.net/rdap/</a> <a href="http://rdap.afrinic.net/rdap/">http://rdap.afrinic.net/rdap/</a>	LEGACY
197/8	AFRINIC	2008-10	whois.afrinic.net	<a href="https://rdap.afrinic.net/rdap/">https://rdap.afrinic.net/rdap/</a> <a href="http://rdap.afrinic.net/rdap/">http://rdap.afrinic.net/rdap/</a>	ALLOCATED

# IPv4 Recovered Pool Allocations

## ALLOCATION FROM RECOVERED POLL

- ⦿ 1 September 2015: Each RIR received the **equivalent of a /14**
- ⦿ Next allocation will take place 1 March 2016
- ⦿ Registry:  
<http://www.iana.org/assignments/ipv4-recovered-address-space>
- ⦿ Allocation tool:  
<https://github.com/icann/ipv4-recovery-algorithm>
- ⦿ Global policy:  
<https://www.icann.org/resources/pages/allocation-ipv4-post-exhaustion-2012-05-08-en>

# IPv4 Recovered Pool Allocations

## Allocations made from the Current Recovered IPv4 Pool

### Registration Procedure(s)

Global Policy for Post Exhaustion IPv4 Allocation Mechanisms by the IANA (Ratified 6 May 2012)

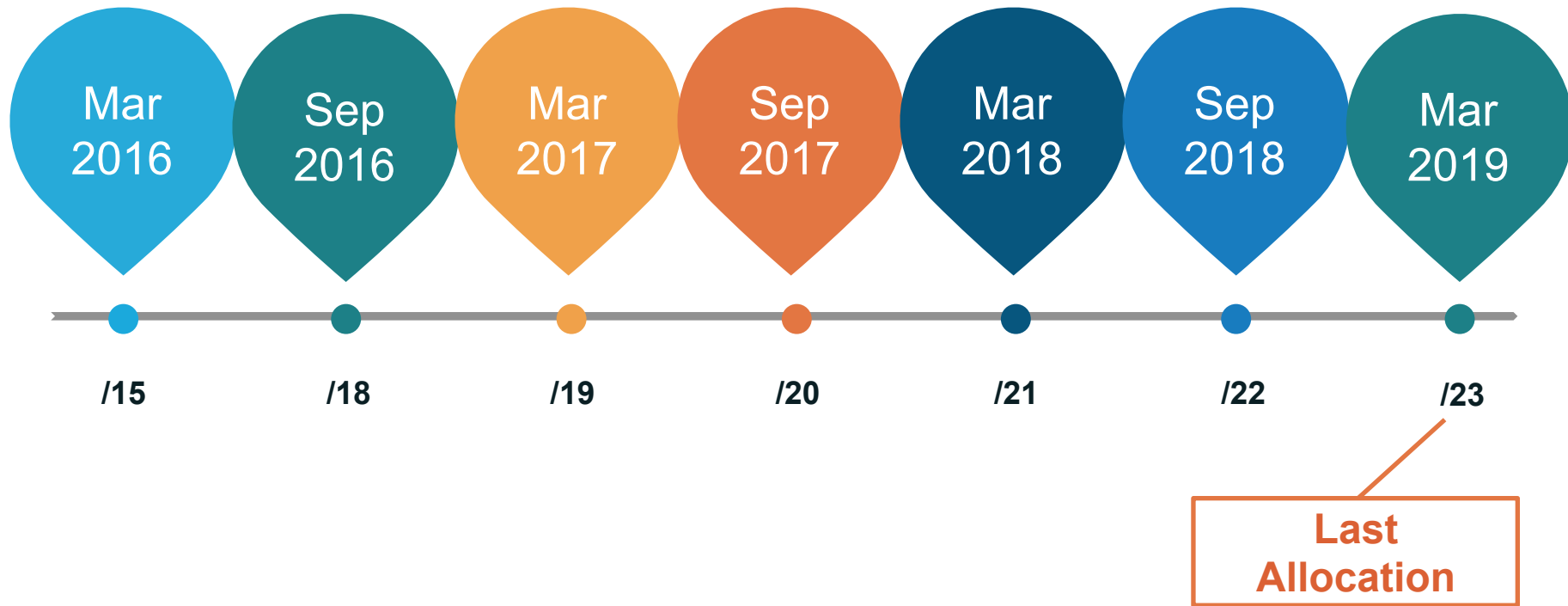
### Available Formats



CSV

Start address	End address	Designation	Date	Whois	Status	Note
152.89.0.0	152.89.255.255	RIPE NCC	2015-09	whois.ripe.net	ALLOCATED	
139.28.0.0	139.28.255.255	RIPE NCC	2015-09	whois.ripe.net	ALLOCATED	
45.128.0.0	45.159.255.255	RIPE NCC	2014-05	whois.ripe.net	ALLOCATED	
45.80.0.0	45.95.255.255	RIPE NCC	2014-09	whois.ripe.net	ALLOCATED	
45.66.0.0	45.67.255.255	RIPE NCC	2015-09	whois.ripe.net	ALLOCATED	
45.8.0.0	45.15.255.255	RIPE NCC	2015-03	whois.ripe.net	ALLOCATED	
192.141.0.0	192.141.255.255	LACNIC	2015-09	whois.lacnic.net	ALLOCATED	
164.163.0.0	164.163.255.255	LACNIC	2015-09	whois.lacnic.net	ALLOCATED	
131.196.0.0	131.196.255.255	LACNIC	2015-09	whois.lacnic.net	ALLOCATED	
128.201.0.0	128.201.255.255	LACNIC	2015-09	whois.lacnic.net	ALLOCATED	
45.224.0.0	45.239.255.255	LACNIC	2014-09	whois.lacnic.net	ALLOCATED	
45.160.0.0	45.191.255.255	LACNIC	2014-05	whois.lacnic.net	ALLOCATED	
45.68.0.0	45.71.255.255	LACNIC	2015-03	whois.lacnic.net	ALLOCATED	
45.4.0.0	45.7.255.255	LACNIC	2015-03	whois.lacnic.net	ALLOCATED	
149.248.0.0	149.248.255.255	ARIN	2015-09	whois.arin.net	ALLOCATED	
144.168.0.0	144.168.255.255	ARIN	2015-09	whois.arin.net	ALLOCATED	

# IPv4 Recovered Pool Allocations



If we do not receive additional returned addresses, the last allocation from the recovered pool will take place in **March 2019**. After that, the recipient size would not be large enough to satisfy the global policy minimum.

## Reverse DNS (rDNS) CERTIFICATE CHANGE

- ⦿ The ICANN RDNS CA expires on **13 March 2016**
- ⦿ Consulted with RIRs and received their agreement to the proposed schedule
- ⦿ RIRs submitted new CSRs to ICANN by the beginning of November
- ⦿ Rollover was completed on **13 November 2015**

# Announce Upcoming Root Server Change

NOTIFICATION OF UPCOMING Change of IP Address of H root server

New IPv4 Address: 198.97.190.53

New IPv6 Address: 2001:500:1::53

Change will be implemented on 1 December 2015

New hints files will be available at the following:

<http://www.internic.net/domain/named.root>

<http://www.internic.net/domain/named.cache>

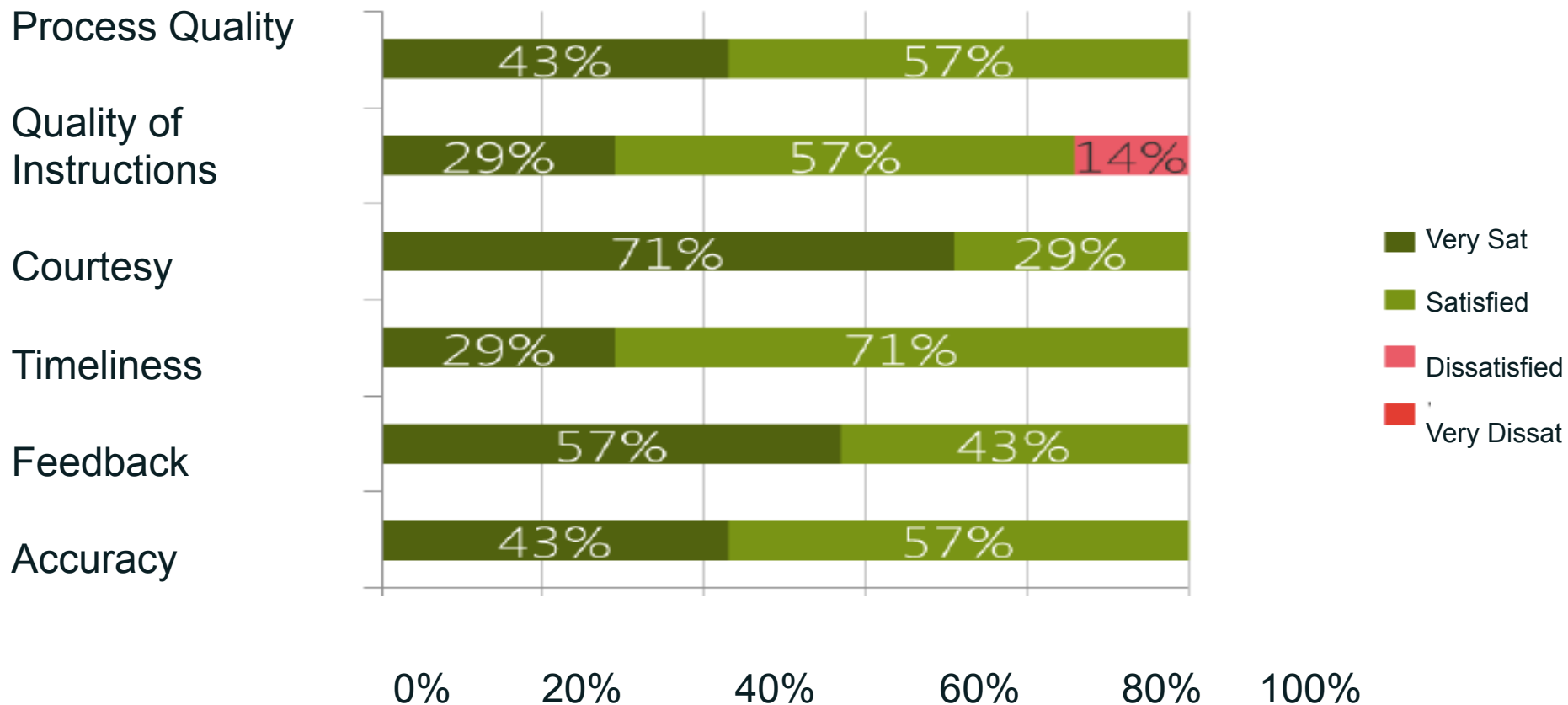
You can monitor the transition here:

[http://h.root-servers.org/old\\_vs\\_new.html](http://h.root-servers.org/old_vs_new.html)



# Annual Customer Service Survey

## 2015 IANA functions Customer Service Survey



# Thank you!



## Questions?

Reach us at:

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

Website: [iana.org](http://iana.org)

# Thank you!