2020 IANA Numbering Services Review Committee Report

Date: 10 March 2021

1. Introduction

1.1. Background

In 2016, the Internet Number Community proposal to the IANA Stewardship Coordination Group ("ICG") on the IANA Stewardship Transition called for a review committee to be established. The review committee was to comprise of community representatives from each region to advise the RIRs on the IANA Functions Operator's performance and adherence to identified service levels.

The IANA Numbering Services Review Committee ("RC") was therefore established in October 2016 with representatives from all five RIR regions, upon completion of the IANA Stewardship Transition process.

2. About the IANA Numbering Services Review Committee

As described in its charter, the role of the RC is as follows:

The IANA Numbering Services Review Committee's function is to advise and assist the Number Resource Organization Executive Committee ("NRO EC") in its periodic review of the service level of the IANA Numbering Services provided to the Internet Number Community.

In carrying out this function, the Review Committee will report to the NRO EC any concerns regarding the performance of the IANA Numbering Services Operator, including any observed failure or near failure by the IANA Numbering Services Operator to meet its obligations under the Service Level Agreement. The Review Committee must submit such a report to the NRO EC at least once every calendar year, by the date specified by the NRO EC from time to time.

2.1.   Website and proceedings

The IANA Numbering Services Review Committee website, proceedings and meeting archives can be found at:
https://www.nro.net/iana-numbering-services-review-committee/

2.2.   Charter

The charter of the IANA Numbering Services Review Committee can be found at:
https://www.nro.net/review-committee-charter-final

2.3.   Composition

The RC is composed of qualified representatives from each RIR region (see below). There is to be equal representation from each region, and selections should be conducted in an open, transparent, and bottom-up manner appropriate for each RIR region.

2.4.   Current members of the RC

The members of the RC at the time of the publishing of this report are:

AFRINIC:

- Saul Stein– community representative
- Mike Silber – community representative
- Madhvi Gokool – RIR staff representative

APNIC:

- Bertrand Cherrier – community representative (CHAIR)
- Satoru Tsurumaki – community representative
- Guangliang Pan – RIR staff representative

ARIN:

- Louie Lee – community representative
- Martin Hannigan – community representative
- John Sweeting – RIR staff representative

LACNIC:

- Nathalia Sautchuk Patrício – community representative
- Sergio Rojas – community representative
- Ernesto Majó – RIR staff representative

RIPE:

- Filiz Yilmaz – community representative
- Nurani Nimpuno – community representative (VICE CHAIR)
- Marco Schmidt - RIR staff representative

3. Methodology

3.1. Time period

This review report covers the period 1 January 2020 through 31 December 2020.

The IANA Numbering Services Review Committee Operating procedures specify that the committee will provide advice on IANA Numbering Services performance of the previous year.

3.2. Community input

The RC openly sought Internet number community input on the IANA numbering services performance through a 30 day comment period following the posting of the RIR review matrix through email to iana-performance@nro.net.

Notice of the 30 day comment period was publicly posted on the NRO web site, and announced on the five respective RIR announcement mailing lists: announce@afrinic.net, apnic-announce@lists.apnic.net, arin-announce@arin.net, anuncios@lacnic.net, ripe-list@ripe.net. (See Appendix 2 for links to each announcement message.)

Additionally, RC members have made a point to engage with their respective regional numbers communities to both communicate relevant developments relating to the Committee to their respective communities, and to collect feedback relevant to the IANA Numbering Services Operations from their respective communities.

3.3. Data sets

3.3.1. RIR IANA Numbering services review Matrix

RIR review Matrix:
https://www.nro.net/wp-content/uploads/2020-RIR-IANA-summary-report.pdf

Monthly IANA reports:
https://www.iana.org/performance/numbers

RIR summarising statement of annual performance from RIR Matrix:

The Regional Internet Registry (RIR) staff have reviewed the IANA performance reports for 2020 and confirm that the Service Level Agreements (SLA) were met 100% of the time in all cases. The five AS number requests submitted during the months of March, May, October, and November fully met the expectations of the RIRs and were executed within the agreed to terms of our SLA with no issues to note. The RIRs recognize the flawless execution of IANA services in 2020.

3.3.2. Community input on RIR IANA Numbering services review Matrix

The RC notes that one comment was received in the public comment period supporting the conclusion that the SLAs for the IANA numbering services have been met 100%.

The full comment is included in Appendix 2.

4. Conclusion

The RC evaluated the Data sets in Section 3 and observed that:

- Five ASN allocations were requested – one during March by AFRINIC, one during March by RIPE NCC, one during May by LACNIC, one during October by APNIC, and one during November by ARIN.

All requests were fulfilled accurately and on time.

There has been no indication of failure or near failure by the IANA Numbering Services Operator to meet its obligations under the Service Level Agreement. There were no concerning or interesting patterns detected with respect to the performance of the IANA Number Services Operations.

There has been no indication from the Internet number community of any concerns regarding the performance of the IANA Numbering Services, nor the inability of the IANA Number Services Operations to meet the needs and expectations of the Internet number community.

The RC is confident that there was sufficient community outreach and community involvement in order to support and enhance the multistakeholder model in a

transparent, open, and bottom up process in this review of the performance of the IANA Numbering Services provided to the Internet number community.

The RC concludes that the performance of the IANA Number Services Operations is within the SLA and meets the needs of the Internet number community. Furthermore, we conclude that there are no topics of concern or interest that need further scrutiny at this time.

5. References

- IANA Numbering Services Review Committee website:
  https://www.nro.net/iana-numbering-services-review-committee/

- IANA number resource services performance reports:
  https://www.iana.org/performance/numbers

- RIR IANA Numbering Services Review Matrix:
  https://www.nro.net/wp-content/uploads/2020-RIR-IANA-summary-report.pdf

- The Service Level Agreement (SLA) for the IANA Numbering Services:
  https://www.nro.net/wp-content/uploads/SLA-Executed-ICANN-RIRS.pdf

- The IANA Stewardship Transition Proposal:
  https://www.ianacg.org/icg-files/documents/IANA-transition-proposal-final.pdf

- Community input on RIR IANA Numbering services review Matrix:
  https://nro.net/pipermail/iana-performance/2021-February/000001.html

6. Appendices

Appendix 1. RIR IANA Numbering Services Review Matrix

https://www.nro.net/wp-content/uploads/2020-RIR-IANA-summary-report.pdf

Appendix 1. RIR IANA Numbering Services Review Matrix

Date	Request Type	Response Time	Implementation Time	Accuracy	Details
3/5/2020	AS Number	0.3 days	0.2 days	✔	More Info
4/1/2020	AS Number	0.3 days	1 day	✔	More Info
5/18/2020	AS Number	0.1 days	0.1 days	✔	More Info
10/19/2020	AS Number	0.5 days	0.9 days	✔	More Info
11/02/2020	AS Number	0.2 days	0.8 days	✔	More Info

2020 Review Committee Assessment
IANA Service Level Agreement (SLA) Performance

Less than 2 business day responses	SLA met 100%
Right sized blocks allocated	SLA met 100%
Numbers given don't overlap	SLA met 100%
Numbers given match delegation	SLA met 100%

March - May 2020

Date	Request Type	Requested by	Acknowledged (within 2 business days)	Implemented (within 4 business days)	Implemented Accurately	Notes
3/5/2020	AS Number	AFRINIC	✔	✔	✔	
4/1/2020	AS Number	RIPE NCC	✔	✔	✔	
5/18/2020	AS Number	LACNIC	✔	✔	✔	

October - November 2020

Date	Request Type	Requested by	Acknowledged (within 2 business days)	Implemented (within 4 business days)	Implemented Accurately	Notes
10/19/2020	AS Number	APNIC	✔	✔	✔	
11/02/2020	AS Number	ARIN	✔	✔	✔	

Appendix 2. Community input

Notice of the 30 day comment period was publicly posted on the NRO web site, and announced on the appropriate RIR announcement mailing lists:

- NRO announcement:
  https://www.nro.net/call-for-public-comments-on-the-2020-iana-performance-matrix-summary-report/

- AFRINIC announcement:
  https://lists.afrinic.net/pipermail/announce/2021/002266.html

- APNIC announcement:
  https://mailman.apnic.net/mailing-lists/apnic-announce/archive/2021/02/msg00001.htm

- ARIN announcement:
  https://lists.arin.net/pipermail/arin-announce/2021-March/002505.html

- LACNIC announcement:
  https://mail.lacnic.net/pipermail/anuncios/2021-February/001334.html

- RIPE announcement:
  https://www.ripe.net/ripe/mail/archives/ripe-list/2021-February/002003.html

All collected community comments in a raw, unedited format can be found online:

https://nro.net/pipermail/iana-performance/2021-February/000001.html

These comment(s) are also included below: (Personal identifiable information has been redacted.)

Comment 1:

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From: Lars-Johan [email redacted]
Date: Mon Feb 8 13:20:07 CET 2021
Subject: [Iana-performance] Positive feedback on the
   2020-RIR-IANA-summary-report.

Hello!

I happen to be both a RIPE member and the current chair of the ICANN
Customer Standing Committee that audits the PTI when it comes to its
performance as administrators of the DNS root zone.

I'd just like to concur with your assent for the PTI and their work to
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fulfil the IANA contract. See this as a "+1" from me. Your summary
matches quite well what we in the CSC see on the domain name side. We
see "100 %" all over the field, with only the occasional minor breach.
Those are counted in the singles, and in most cases it's down to SLAs
that weren't thoroughly tested before being put into operation.

We also find the PTI very approachable and accomodating, and we have a
very good dialogue with them.

If you and the NRO community share my positive views, I hope you share
them also with the PTI. It's easy to forget to convey appreciation for
good work and to focus only on criticizing when improvement is needed.

                      Best regards,
                       /Lars-Johan Liman
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