2017 IANA Numbering Services Review Committee Report

Date: 20 March 2018

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 (RC) to be established. The Review Committee was to comprise community representatives from each region to advise the RIRs on the IANA Functions Operator's performance and adherence to identified service levels.

The Review Committee 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 Review Committee 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:
IANA Numbering Services Review Committee Charter

2.3. Composition

The Review Committee 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 Review Committee

The members of the Review Committee at the time of the publishing of this report are:

AFRINIC:
- Omo Oaiya – community representative
- Noah Maina – community representative
- Madhvi Gokool – RIR staff representative

APNIC:
- Bertrand Cherrier – community representative
- Simon Sohel Baroi – community representative
- George Kuo – RIR staff representative

ARIN:
- Louie Lee – community representative
- Jason Schiller – community representative – (CO-CHAIR)
- Nate Davis – RIR staff representative

LACNIC:
- Esteban Lescano – community representative
- Nicolas Antoniello – community representative

- Ernesto Majó – RIR staff representative

RIPE:

- Filiz Yilmaz – community representative
- Nurani Nimpuno – community representative – (CHAIR)
- Andrew de la Haye – RIR staff representative

3. Methodology

3.1. Time period

This review report covers the period 1 April 2017 through 31 December 2017.

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

Initially the NRO EC requested the report cover the time period from October 2016 through December 2017. Per action item 20170315-01, it was agreed that the committee would consider the NRO EC request under our draft procedure for an expedited request.

The committee is currently in agreement that it would be out of scope to report on performance prior to March 2017, since the agreed upon IANA Services performance indicators had not been developed until February 2017.

3.2. Community input

The IANA 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 appropriate RIR announcement mailing lists: announce@afrinic.net, apnic-announce@lists.apnic.net, arin-announce@arin.net, anuncios@lacnic.net, ripe-list@ripe.net.

Additionally, IANA 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/IANA-RC-Annual-Summary-Matrix.pdf

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

The RIRs have not provided a summarising statement of annual performance from RIR Matrix.

3.3.2. Community input on RIR IANA Numbering services review Matrix

The raw comments received from the RIR communities on the RIR IANA Numbering services review Matrix can be found in Appendix 2.

The IANA Review Committee would like to note that no comments were received in the public comment period.

4. Conclusion

The Review Committee evaluated the Data sets in Section 3 and observed that two IPv4 requests and two ASN requests were made and fulfilled between March 2017 and December 2017. 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 its customers, namely the Internet number community.

The Review Committee 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.

Review Committee recommends that NRO EC find that the performance of the IANA Number Services Operations are within the SLA and meet the needs of Internet number community. Furthermore, we recommend that NRO EC note 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/IANA-RC-Annual-Summary-Matrix.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://www.nro.net/iana-rc-community-number-resource-performance-reports/

6. Appendices

    Appendix 1. RIR IANA Numbering Services Review Matrix

PTI Performance Summary	January-17	February-17	March-17	April-17	May-17	June-17	July-17	August-17	September-17	October-17	November-17	December-17
Request Type	N/A	N/A										
IPv4	N/A	N/A	Yes						Yes			
IPv6	N/A	N/A										
Autonomous System Number	N/A	N/A					Yes					Yes
/8 Delegation Change	N/A	N/A										
Performance	N/A	N/A										
Request Acknowledged on Time	N/A	N/A	Yes				Yes		Yes			Yes
Responded on Time	N/A	N/A	Yes				Yes		Yes			Yes
Implemented on Time	N/A	N/A	Yes				Yes		Yes			Yes
Accurately Implemented	N/A	N/A	Yes				Yes		Yes			Yes

Request type	Request Acknowledged on Time	Responded on Time	Implemented on Time	Accurately Implemented
IPv4	< 2 business days	< 2 business days	< 2 business days	Right size block allocated. Numbers given don't overlap. Numbers given match delegation.
IPv6	< 2 business days	< 2 business days	< 2 business days	Right size block allocated. Numbers given don't overlap. Numbers given match delegation.
Autonomous System Number	< 2 business days	< 2 business days	< 2 business days	Right size block allocated. Numbers given don't overlap. Numbers given match delegation.
/8 Delegation Change				
in-addr.arpa & ip6.arpa zone uptime & reachability				

date	time	type	Request Acknowledged		Request Acknowledged on Time	Responded		Responded on Time	Implemented		Implemented on time	Accurately Implemented
3/1/2017	0:00:00	IPv4	3/1/2017	0:00:00	yes	3/1/2017	19:32:40	yes	3/1/2017	19:32:40	yes	yes
7/19/2017	11:15:27	ASN	7/19/2017	19:35:15	yes	(clarification) 7/20/2017	12:55:40	yes	7/21/2017	20:14:12	yes	yes
9/1/2017	0:00:00	IPv4	9/1/2017	0:00:00	yes	9/1/2017	0:00:00	yes	9/1/2017	17:10:53	yes	yes
12/6/2017	23:31:05	ASN	12/6/2017	23:36:37	yes	12/7/2017	1:09:20	yes	12/7/2017	18:54:33	yes	yes

Appendix 2. Community input

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

No comments were received in the public comment period.