# 2018 IANA Numbering Services Review Committee Report

Date: 5 March 2019

# 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:
https://www.nro.net/review-committee-charter-final

## 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
- Syam Zulfadly – community representative
- George Kuo – RIR staff representative

### ARIN:

- Louie Lee – community representative
- Jason Schiller – community representative – (CO-CHAIR)
- Richard Jimmerson – RIR staff representative

### LACNIC:

- Glenn Peace – community representative

- Juan Alejo Peirano – community representative
- Ernesto Majó – RIR staff representative

RIPE:

- Filiz Yilmaz – community representative
- Nurani Nimpuno – community representative – (CHAIR)
- Felipe Silveira – RIR staff representative

# 3. Methodology

## 3.1. Time period

This review report covers the period 1 January 2018 through 31 December 2018.

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 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,](publicly-posted-on-the-NRO-web-site) and announced on the appropriate RIR announcement mailing lists: [announce@afrinic.net](announce@afrinic.net), [apnic-announce@lists.apnic.net](apnic-announce@lists.apnic.net), [arin-announce@arin.net](arin-announce@arin.net), [anuncios@lacnic.net](anuncios@lacnic.net), [ripe-list@ripe.net](ripe-list@ripe.net).

- NRO announcement:
  [https://www.nro.net/call-for-public-comments-on-the-2018-iana-performance-matrix-summary-report/](https://www.nro.net/call-for-public-comments-on-the-2018-iana-performance-matrix-summary-report/)
- AFRINIC announcement:
  [https://lists.afrinic.net/pipermail/announce/2019/002009.html](https://lists.afrinic.net/pipermail/announce/2019/002009.html)
- APNIC announcement:
  [https://mailman.apnic.net/mailing-lists/apnic-announce/archive/2019/01/msg00003.html](https://mailman.apnic.net/mailing-lists/apnic-announce/archive/2019/01/msg00003.html)
- ARIN announcement:
  [https://lists.arin.net/pipermail/arin-announce/2019-January/002288.html](https://lists.arin.net/pipermail/arin-announce/2019-January/002288.html)
- LACNIC announcement:
  [https://mail.lacnic.net/pipermail/anuncios/2019-January/001212.html](https://mail.lacnic.net/pipermail/anuncios/2019-January/001212.html)

- RIPE announcement:
  https://www.ripe.net/ripe/mail/archives/ripe-list/2019-January/001490.html

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/2018-Number-Resource-Perfomance-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 2018 and confirm that the Service Level Agreements (SLA) were met 100% of the time in all cases. It is noted that the IPv4 unicast requests in March and September were automatic allocations made to the RIRs in accordance with the Global Policy for Post Exhaustion IPv4 Allocation Mechanisms by the IANA. These allocations were executed as expected with no issues to note. The three AS number requests submitted during the months of August and December 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 2018.*

### 3.3.2. Community input on RIR IANA Numbering services review Matrix

The IANA Review Committee would like to note that no comments were received in the public comment period as also noted in Appendix 2.

# 4. Conclusion

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

- Two IPv4 automatic allocations were made to all RIRs – one during March and one during September – in accordance with the Global Policy for Post Exhaustion IPv4 Allocation Mechanisms by the IANA.
- Three ASN requests were made – two during August and one during December 2018.

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/2018-Number-Resource-Perfomance-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://www.nro.net/accountability/operational/iana-numbering-services-review-committee/iana-rc-reports/iana-rc-report-2018/

# 6. Appendices

## Appendix 1. RIR IANA Numbering Services Review Matrix

### 2018 Number Resource Performance Reports
as reported by IANA | https://www.iana.org/performance/numbers

| Date | Request Type | Request Processing Details | |
|---|---|---|---|
| 2018-03-01 | IPv4 Unicast | ⊘ Responded on time (0.0 days) ⊘ Implemented on time (0.8 days) ⊘ Accurately implemented | More info |

| Date | Request Type | Request Processing Details | |
|---|---|---|---|
| 2018-08-09 | AS Number | ⊘ Responded on time (0.1 days) ⊘ Implemented on time (0.3 days) ⊘ Accurately implemented | More info |
| 2018-08-20 | AS Number | ⊘ Responded on time (0.1 days) ⊘ Implemented on time (0.2 days) ⊘ Accurately implemented | More info |

| Date | Request Type | Request Processing Details | |
|---|---|---|---|
| 2018-09-04 | IPv4 Unicast | ⊘ Responded on time (0.0 days) ⊘ Implemented on time (0.9 days) ⊘ Accurately implemented | More info |

| Date | Request Type | Request Processing Details | |
|---|---|---|---|
| 2018-12-06 | AS Number | ⊘ Responded on time (0.0 days) ⊘ Implemented on time (1.1 days) ⊘ Accurately implemented | More info |

### 2018 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% |

## 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.*