

To be the flagship and global leader for collaborative Internet number resource management as a central element of an open, stable and secure Internet

NRO Update

RIPE 77

Amsterdam, NL

19 October 2018

What is the NRO?

Number Resource Organization

NRO MoU, 24 Oct 2003

Mission

- Coordinating the RIR system and joint RIR activities
- Promote the multi-stakeholder model and bottom-up policy development
- Fulfill the role of the ICANN ASO
- http://www.nro.net



Structure (2018)

Executive committee

- Paul Wilson (Chair) APNIC
- Alan Barrett (Vice Chair and Secretary) AFRINIC
- Axel Pawlik (Treasurer) RIPE NCC
- Oscar Robles LACNIC
- John Curran ARIN

Secretariat

- Hosted by APNIC
- Executive Secretary: German Valdez
- Consultant: Susannah Gray

Coordination Groups

 CCG (Communications), ECG (Engineering), RSCG (Registration Services)

Informal Groups

Public Affairs, Policy, Financial Officers, Legal Staff



Publications

Internet Number Status Report

- Updated quarterly.
- Global stats on IPv4, IPv6, ASN
- New extended stats project to be released in 2018 Q4
- http://www.nro.net/statistics

Comparative Policy Overview

- Updated quarterly
- Information on RIRs membership policy (access to delegation and registration services)
- http://www.nro.net/comparative-policy

Address Supporting Organization

http://aso.icann.org



Finances

Budget allocations

• AFRINIC 7.22%

• APNIC 23.50%

• ARIN 29.34%

• LACNIC 10.42%

• RIPE NCC 29.53%

Expenses

- General operations: USD \$643,000
- Secretariat, communications, travel, meetings
- IGF Contributions \$200,000
- Contribution to ICANN: USD \$823,000

Stability Fund

- Joint RIR provision/pledge of over USD \$2.1M
- https://www.nro.net/joint-rir-stability-fund



IANA Review Committee

Advise and assist the NRO EC in its review of the service level of the IANA Numbering Services provided to the Internet Number Community.

3 members from each region

2 community elected members, 1 RIR staff rep

Public archives and minutes

 https://www.nro.net/iana-numbering-servicesreview-committee/

2017 IANA Numbering Services Review Committee Report Published

 https://www.nro.net/2017-iana-numberingservices-review-committee-report-published/



Review Committee (2018)

AFRINIC

- Omo Oaiya, Noah Maina (Community)
- Madhvi Gokool (staff)

APNIC

- Bertrand Cherrier, Simon Sohel Baroi (Community)
- George Kuo (staff)

ARIN

- Louie Lee, Jason Schiller (Community)
- Nate Davis (staff)

LACNIC

- Nicolas Antoniello, Esteban Lescano (Community)
- Ernesto Majó (staff)

RIPE NCC

- Filiz Yilmaz, Nurani Nimpuno (Community)
- Felipe Silveira (staff)



ICANN Empowered Community

NRO EC adopted ASO empowered community procedures.

- ASO Procedure for Empowered Community Approval Actions
- ASO Procedure for Empowered Community Rejection Actions
- ASO Procedure for Director Removal Actions
- ASO Standard Practices for Empowered Community Activities
- https://www.nro.net/about-the-nro/asoprocedures-for-empowered-community-powers/ procedures-for-empowered-community-powers/

ASO Review

ASO MoU...

 "the NRO shall provide a periodic review of the ASO's effectiveness within ICANN"

1st review conducted in 2011

Timeline and announcements

 https://www.nro.net/about-the-nro/asoindependent-review-2017/

Final report published 8 August 2017

https://www.nro.net/aso-review-2017



ASO Review

NRO EC and ASO AC Joint Response to the 2017 Independent ASO Review Recommendations

 https://www.nro.net/nro-ec-and-aso-ac-joint-response-to-the-2017-independent-aso-review-recommendations/

RIR community consultation for the implementation of the recommendations

 https://www.nro.net/about-the-nro/aso-independent-review-2017/

Input by the NRO Executive Council on the Public Consultation to Determine the Future Structure of the ASO

 https://www.nro.net/input-by-the-nro-executive-council-onthe-public-consultation-to-determine-the-future-structure-ofthe-aso/



Technical Projects

RPKI "all resources" Trust Anchor

 https://www.nro.net/regional-internet-registriesare-preparing-to-deploy-all-resources-rpkiservice/

Emergency Backup Operations Project

Identifier Technology Health Indicators (ITHI) Consultation:

https://www.nro.net/ithi-consultation

NRO Website Revamp.

New Website at the end of October 2018



Thank You