



NRO update

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

May 2018
LACNIC 29
Panama

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
 - <http://www.nro.net/statistics>
- Comparative Policy Overview
 - Updated quarterly
 - <http://www.nro.net/comparative-policy>
- RIR Governance Matrix
 - <https://www.nro.net/about-the-nro/rir-governance-matrix>

Finances 2017

- 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-services-review-committee/>
- Call for Public Comments on the IANA Performance Matrix Summary Report
 - <https://www.nro.net/call-for-public-comments-on-the-iana-performance-matrix-summary-report/>



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)
 - Andrew de la Haye (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

NRO Projects

- RPKI “all resources” Trust Anchor
 - <https://www.nro.net/regional-internet-registries-are-preparing-to-deploy-all-resources-rpki-service/>
- IANA/PTI reporting requirements. Part of IANA SLA.
- Identifier Technology Health Indicators (ITHI) Consultation:
 - <https://www.nro.net/ithi-consultation>
- NRO Website Revam

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/aso-independent-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/aso-review-consultation-2018/>

