



# **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***

October 2017  
RIPE 75  
Dubai, UAE



# 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 (2017)

- Executive committee
  - John Curran (Chair) - ARIN
  - Paul Wilson (**Vice Chair** and Secretary) - APNIC
  - Alan Barrett (Treasurer) - AFRINIC
  - Axel Pawlik - RIPE NCC
  - Oscar Robles - LACNIC
- Secretariat
  - Hosted by APNIC
  - Executive Secretary: German Valdez
  - Consultant: **Susannah Gray**
- Coordination Groups
  - CCG (Communications), ECG (Engineering), RSCG (Registration Services)

# Publications

- Internet Number Status Report
  - Updated quarterly.
  - Global stats on IPv4, IPv6, ASN
  - <http://www.nro.net/statistics>
- Comparative Policy Overview
  - Updated quarterly
  - New 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 2016

- Budget allocations
  - AFRINIC 7.10%
  - APNIC 23.60%
  - ARIN 29.70%
  - LACNIC 10.44%
  - RIPE NCC 29.16%
- Expenses
  - General operations: USD \$331,577
    - Travel, meetings, communications, secretary
    - IGF Contributions \$100,000
  - 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 Transition

- RIR-IANA SLA
  - Fully based and in compliance with IANA Stewardship Transition Plan
  - Signed during ICANN 56 in Helsinki and effective from 1 October 2016
    - <http://www.nro.net/sla>
- IANA Numbering Services Review Committee (IANA RC)
  - 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/>



# Review Committee (2017)

- AFRINIC
  - Omo Oaiya, Douglas Onyango (AC)
  - Madhvi Gokool (staff)
- APNIC
  - Brajesh Jain, Tomohiro Fujisaki (AC)
  - George Kuo (staff)
- ARIN
  - Louie Lee, Jason Schiller (AC)
  - Nate Davis (staff)
- LACNIC
  - Nicolas Antonello, Edmundo Cazares (AC)
  - Ernesto Majó (staff)
- RIPE NCC
  - Filiz Yilmaz, Nurani Nimpuno (AC)
  - Andrew de la Haye (staff)



# ICANN Accountability

- CCWG: “Cross Community Working Group” on Accountability
- Numbers community representatives
  - Izumi Okutani (APNIC Region )
  - Athina Fragkouli (RIPE NCC Staff)
  - Fiona Asonga (AFRINIC Region)
  - Jorge Villa (LACNIC Region)
  - Michael Abejuela (ARIN Staff)
- Now working on “Workstream 2”
  - Accountability improvements after IANA stewardship transition





# ICANN Empowered Community

- NRO EC adopted ASO interim 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

# RIR Accountability

- Governance Matrix
  - Summary of RIR governance mechanisms
    - Bylaws, PDP, Dispute Resolution, Data protection, Budget, Planning etc.
  - <https://www.nro.net/governance-matrix>
- Accountability FAQ
  - <https://www.nro.net/rir-accountability>
- Independent Accountability Assessment
  - Independent review of all RIRs
  - <https://www.nro.net/regional-internet-registry-accountability-assessment-reports/>

# ASO Review

- ASO MoU...
  - *“the NRO shall provide a periodic review of the ASO’s effectiveness within ICANN”*
- 1<sup>st</sup> review conducted in 2011
- 2<sup>nd</sup> review: CFP launched late 2016
  - Awarded to ITEMS International
- Timetable
  - Consultation in all RIR meetings and ICANN meetings
  - Draft report presented in ICANN 59
  - Final report published 8 August 2017
    - <https://www.nro.net/aso-review-2017>
- RIR community consultation for the implementation of the recommendations.

# Technical Projects

- RPKI Services for all resources by 30 September 2017.
  - <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:
  - 90 day consultation in all RIR communities.
  - <https://www.nro.net/ithi-consultation>
- NRO Website Revamp.



**Thank You**

<http://www.nro.net>

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