



# Number Resource Organization Report

African Internet Summit  
Johannesburg South Africa

September 2023

# What is the NRO ?

- Number Resource Organization
  - NRO MoU, 24 Oct 2003
- Addendum signed in July 2020 which include the below agreements:
  - Not to take action that would violate Internet Number Registry System (INRS) uniqueness.
  - To take effective measures to promote Internet INRS.
  - To publish INRS entries publicly, so as to enable timely global Internet operations.
  - To cooperate together in the provision of consistent, effective global INRS

<https://www.nro.net>

# What is the NRO ?

During 2022 The NRO reviewed its strategy plan.

## - **Mission**

- To coordinate and support joint activities of the RIRs to provide and promote the Joint Internet Numbers Registry.

## - **Vision**

- 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 EC Structure (2023)

## - **Executive committee**

- John Curran (Chair)- ARIN
- Paul Wilson (Vice Chair - Secretary) – APNIC
- Oscar Robles (Treasurer) - LACNIC
- Hans Petter Holen – RIPE NCC
- *TBC* - AFRINIC

## - **Permanent Secretariat**

- Hosted by APNIC
- Executive Secretary: German Valdez – Based in APNIC
- Consultant: Laureana Pavon – Based in LACNIC

# NRO Strategy Plan Implementation

Three new programs to be implemented in 2023 as part of the NRO structure:

- RPKI
- RIR Cybersecurity
- Government Engagement

New programs will become part of the NRO Budget.

# NRO Coordination Groups

NRO Coordination Groups will continue global coordination with a more autonomous approach. All coordination costs will be absorbed by each RIR.

- CCG (Communications),
- ECG (Engineering),
- RSCG (Registration Services),
- Public Safety (PSCG)
- Public Affairs,
- Policy,
- Financial Officers,
- Legal Staff,
- Human Resources

# Finances 2023

- General operations: USD \$582,250
  - ASO, NRO and IANA Review Committee Secretariat support.
  - NRO Meetings and Communications (teleconferences)
  - ASO AC Chair travel to ICANN Meetings
  - Internet Governance Support
- Contribution to ICANN: USD \$823,000 (IANA Contract USD \$650,000 and voluntary contribution USD \$173,000 )
- New NRO Programs USD \$375,000
- Stability Fund. (*Updated on October 2022*)
  - Joint RIR provision/pledge of USD \$2.65M
  - <https://www.nro.net/joint-rir-stability-fund>

# Finances 2023

Cost distribution based on 2022 RIR Registration Services Revenue. Based on 4 RIRs

Regional Internet Registry	2022 NRO Cost Distribution
AFRINIC	-
APNIC	21.53%
ARIN	29.73%
LACNIC	11.85%
RIPE NCC	36.89%



# AFRINIC Situation

NRO EC has closely monitored the AFRINIC's situation by

- Providing on-site legal support
- Closed coordination with ICANN Leadership
- Looking for a renewed engagement with Africa Internet community in collaboration with other Internet organizations.

# Publications

## - **Global Internet Number Stats**

- Internet Number Resources Status Report (updated quarterly)
- Global stats on IPv4, IPv6, ASN (updated daily)
- RPKI Adoption Reports by IPv4, IPv6, economy (updated daily)
- <https://www.nro.net/statistics>

## - **Comparative Policy Overview**

- Updated quarterly
- Information on RIRs Membership policies (access to delegation and registration services)
- <https://www.nro.net/rir-comparative-policy-overview>

# 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.

- Three members from each region
  - Two community-elected members, One RIR staff representative
- Public archives and minutes
  - <https://www.nro.net/iana-numbering-services-review-committee/>
- 2022 IANA Numbering Services Review Committee Report Published in March 2022
  - <https://www.nro.net/2022-IANA-RC-Report>

# IANA Review Committee Members

## - **AFRINIC**

- Saul Stein (Community)
- Madhvi Gokool (staff)

## - **APNIC**

- Ching-Heng Ku, Dibya Khatiwada (Community)
- Guangliang Pan (staff)

## - **ARIN**

- Chris Quesada, Nick Nugent (Community)
- John Sweeting (staff)

## - **LACNIC**

- Nathalia Sautchuk Patricio (**VICE CHAIR**), Sergio Rojas (Community)
- Ernesto Majó (staff)

## - **RIPE NCC**

- James Kennedy (**CHAIR**), Sander Steffan (Community)
- Marco Schmidt (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/aso-procedures-for-empowered-community-powers/>

Thank You



NRO Statistics  
[www.nro.net/statistics](http://www.nro.net/statistics)

NRO Website  
<https://www.nro.net>