



*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

## ARIN 51

16 - 19 April 2022

# What is the NRO ?

## Number Resource Organization

- NRO MoU, 24 Oct 2003

Addendum signed in July 2020 which includes the below agreements for the Internet number registry system:

- Not to take action that would violate uniqueness.
  - To take effective measures to promote the system.
  - To publish registry entries publicly to enable timely global Internet operations.
  - To cooperate in the provision of a consistent, effective global system
- 
- <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
- *TBD* - AFRINIC

## Permanent Secretariat

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

# NRO Strategic Plan Implementation

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

- RPKI
- Cybersecurity
- Government Engagement

New programs will become part of the NRO Budget.

# 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 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 AFRINIC's situation by

- Providing support, as needed
- Having conversations with regional stakeholders evaluating possible solutions
- 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**