

# Number Resource Organization Report

For ARIN 52 San Diego, California John Curran

October 2023

## What is the NRO?

- Number Resource Organization
  - NRO MoU, 24 October 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 Regional Internet Registries (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:

- Resource Public Key Infrastructure (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; 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 four 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 situation by

- Providing on-site legal support
- Having conversations with regional stakeholders evaluating possible solutions
- Looking for renewed engagement with the Africa Internet community in collaboration with other Internet organizations.

## **Publications**

- Global Internet Number Statistics
  - 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

NRO Website <a href="https://www.nro.net">https://www.nro.net</a>