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 49

24 - 27 April 2022

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 ?

The NRO is currently reviewing 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 (2022)

Executive committee
- Paul Wilson (Chair)- APNIC
- Hans Petter Holen (Vice Chair - Secretary) – RIPE NCC
- John Curran (Treasurer) - ARIN
- Oscar Robles - LACNIC
- Eddy Kayihura- AFRINIC

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

NRO EC Structure (2022)

Coordination Groups (Annual Work Plans and Budget)

- CCG (Communications),
- ECG (Engineering),
- RSCG (Registration Services),
- Public Safety (PSCG)

Informal Groups (Not Part of NRO Budget)

- Public Affairs,
- Policy,
- Financial Officers,
- Legal Staff,
- Human Resources

NRO

NRO Strategic Focus

As a result of the NRO Strategic Review Process the NRO will focus in the below main three goals:

1. Provide a robust, coordinated secure **RPKI** service
2. Ensure the **cybersecurity** of the RIRs
3. Proactively **engage governments** as critical stakeholders in the success of the Internet Number Registry System

NRO Strategic Focus

- Each three of the strategic goals will be led by a Program Manager supported by RIR staff and reporting directly to the NRO EC.

- All Programs will be part of the NRO budget, and the cost distributed among the RIRs according to the agreed annual distribution formula.

Finances 2022

- General operations: USD $496,000
    - ASO, NRO and IANA Review Committee Secretariat support.
    - Communications (teleconferences)
    - ASO AC Chair travel to ICANN Meetings (if travel restrictions allows it)
    - NRO Coordination Group meeting expenses

- IGF Contributions $133,500

- Contribution to ICANN: USD $823,000 (IANA Contract USD $650,000 and voluntary contribution USD $173,000)

- Stability Fund.
    - Joint RIR provision/pledge of over USD $2.1M
    - https://www.nro.net/joint-rir-stability-fund

- In February 2022, the NRO EC approved to contribute 250,000 USD to AFRINIC legal representation expenses (applicable to 2021 NRO Expenses)

Finances 2022

Cost distribution based on 2021 RIR Registration Services Revenue

Regional Internet Registry	2021 NRO Cost Distribution
AFRINIC	6.49%
APNIC	20.90%
ARIN	23.60%
LACNIC	10.67%
RIPE NCC	38.33%

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/

2021 IANA Numbering Services Review Committee Report Published in March 2022
- https://www.nro.net/2021-IANA-RC-Report

IANA Review Committee Members

AFRINIC
- Saul Stein, Mike Silber (Community)
- Madhvi Gokool (staff)

APNIC
- Ching-Heng Ku, Satoru Tsurumaki (Community)
- Guangliang Pan (staff)

ARIN
- ***Chris Quesada, Martin Hannigan (CHAIR) (Community)***
- ***John Sweeting (staff)***

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

RIPE NCC
- James Kennedy, 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/

NRO

Thank You