



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

RIPE 83

22 - 26 November

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
- Fulfil the role of the ICANN ASO
- <https://www.nro.net>

Structure (2021)

Executive committee

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

Permanent Secretariat

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

Coordination Groups (Part of NRO Budget)

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

Informal Groups

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

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>

Finances 2021

- General operations: USD \$480,500
 - ASO, NRO and IANA Review Committee Secretariat support.
 - Communications (teleconferences)
 - ASO AC Chair travel
 - Coordination Group meeting expenses
- IGF Contributions \$150,000
- 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>

Finances 2021

Cost distribution based on 2020 RIR Registration Services Revenue

Regional Internet Registry	2021 NRO Cost Distribution
AFRINIC	6.59%
APNIC	19.20%
ARIN	23.71%
LACNIC	10.58%
RIPE NCC	39.91%

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/>

2020 IANA Numbering Services Review Committee Report Published in March 2021

- <https://www.nro.net/2020-iana-numbering-services-review-committee-report-published/>

Review Committee (2021)

AFRINIC

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

APNIC

- Bertrand Cherrier, Satoru Tsurumaki (Community)
- Guangliang Pan (staff)

ARIN

- Louie Lee, Martin Hannigan (Community)
- John Sweeting (staff)

LACNIC

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

RIPE NCC

- **James Kennedy, Nurani Nimpuno (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/>

ASO Review

ASO MoU...

- *“the NRO shall provide a periodic review of the ASO’s effectiveness within ICANN”*

1st Review conducted in 2011

- <https://www.nro.net/aso-review-2011>

2nd Review conducted in 2017

- <https://www.nro.net/aso-review-2017>

3rd Review schedule for 2022

ASO Review

RIR community consultation for the implementation of the recommendations

- <https://www.nro.net/about-the-nro/aso-independent-review-2017/>

Input by the NRO Executive Council on the Public Consultation to Determine the Future Structure of the ASO

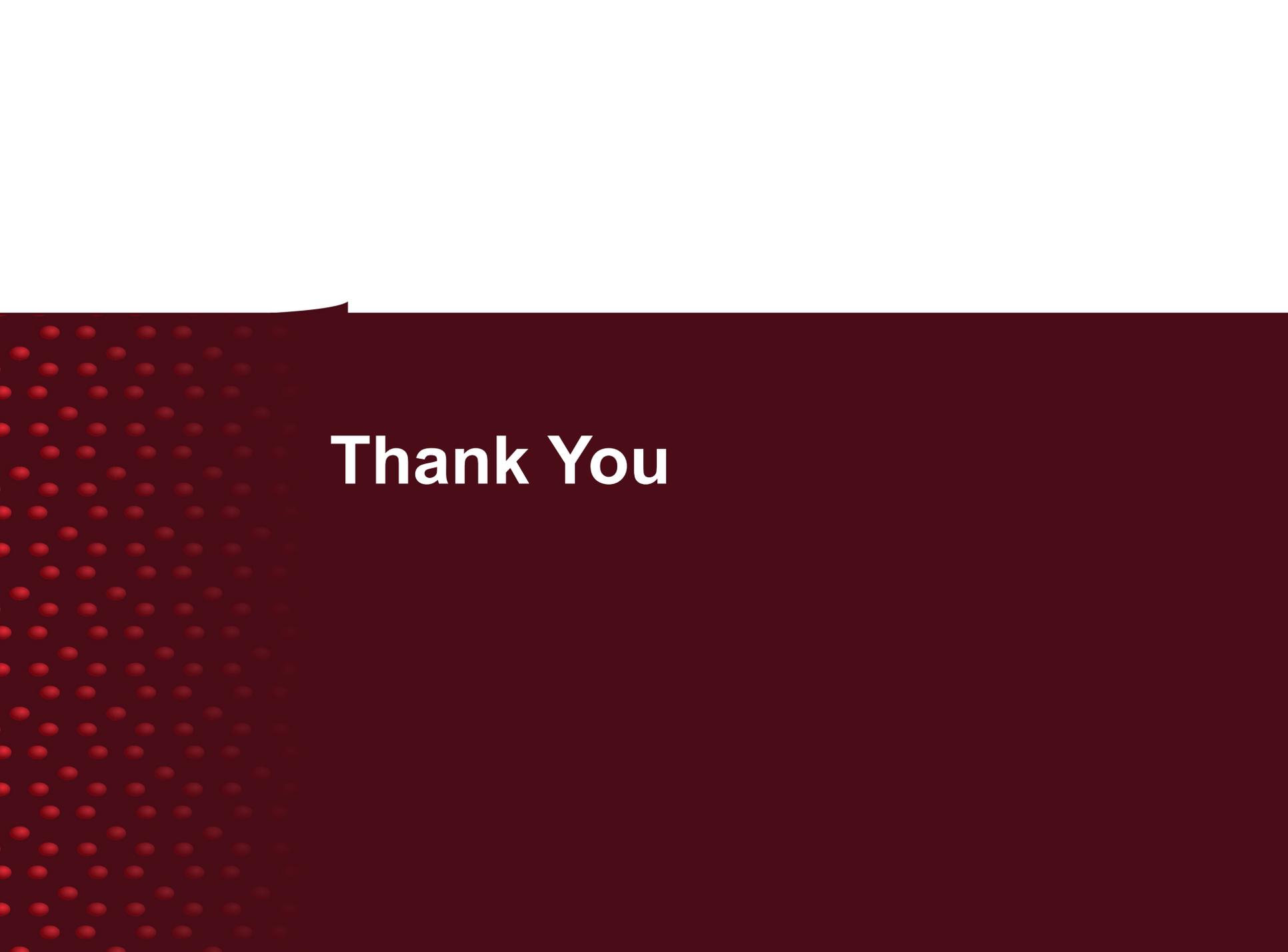
- <https://www.nro.net/input-by-the-nro-executive-council-on-the-public-consultation-to-determine-the-future-structure-of-the-aso/>

ASO Review 2017: Recommendation Implementation Status

- <https://www.nro.net/accountability/aso-and-icann-accountability/independent-aso-reviews/aso-review-2017/>

NRO Projects

- NRO MoU Review
- NRO Strategic Review (to be concluded April 2022)
- ASO Review (scheduled for 2022)



Thank You