



*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 42

Vancouver, British Columbia

October 2018

# 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
- Fulfill the role of the ICANN ASO

<http://www.nro.net>

# Structure (2018)

## Executive committee

- Paul Wilson (Chair) - APNIC
- Alan Barrett (Vice Chair and Secretary) - AFRINIC
- Axel Pawlik (Treasurer) – RIPE NCC
- Oscar Robles – LACNIC
- John Curran - ARIN

## Secretariat

- Hosted by APNIC
- Executive Secretary: German Valdez
- Consultant: Susannah Gray

## Coordination Groups

- CCG (Communications), ECG (Engineering), RSCG (Registration Services)

## Informal Groups

- Public Affairs, Policy, Financial Officers, Legal Staff

# Publications

## Internet Number Status Report

- Updated quarterly.
- Global stats on IPv4, IPv6, ASN
- New extended stats project to be released in 2018 Q4
- <http://www.nro.net/statistics>

## Comparative Policy Overview

- Updated quarterly
- Information on RIRs membership policy (access to delegation and registration services)
- <http://www.nro.net/comparative-policy>

## Address Supporting Organization

- <http://aso.icann.org>

# Finances

## Budget allocations

- AFRINIC 7.22%
- APNIC 23.50%
- ARIN 29.34%
- LACNIC 10.42%
- RIPE NCC 29.53%

## Stability Fund

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

## Expenses

<b>2018 Total</b>	<b>\$1,666,000</b>
General operations (Secretariat, communications, travel, meetings):	\$643,000
USDIGF Contributions (Internet Governance Forum and Regional IGFs)	\$200,000
ICANN (IANA Services SLA, and ASO Contribution):	\$823,000

# 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.

3 members from each region

- 2 community elected members, 1 RIR staff rep

Public archives and minutes

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

2017 IANA Numbering Services Review Committee Report Published

- <https://www.nro.net/2017-iana-numbering-services-review-committee-report-published/>

# Review Committee (2018)

## AFRINIC

- Omo Oaiya, Noah Maina (Community)
- Madhvi Gokool (staff)

## APNIC

- Bertrand Cherrier, Simon Sohel Baroi (Community)
- George Kuo (staff)

## ARIN

- **Louie Lee, Jason Schiller (Community)**
- **Nate Davis (staff)**

## LACNIC

- Nicolas Antoniello, Esteban Lescano (Community)
- Ernesto Majó (staff)

## RIPE NCC

- Filiz Yilmaz, Nurani Nimpuno (Community)
- Felipe Silveira (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”*

1<sup>st</sup> review conducted in 2011

## Timeline and announcements

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

Final report published 8 August 2017

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

# ASO Review

NRO EC and ASO AC Joint Response to the 2017 Independent ASO Review Recommendations

- <https://www.nro.net/nro-ec-and-aso-ac-joint-response-to-the-2017-independent-aso-review-recommendations/>

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/>

# Technical Projects

## RPKI “all resources” Trust Anchor

- <https://www.nro.net/regional-internet-registries-are-preparing-to-deploy-all-resources-rpki-service/>

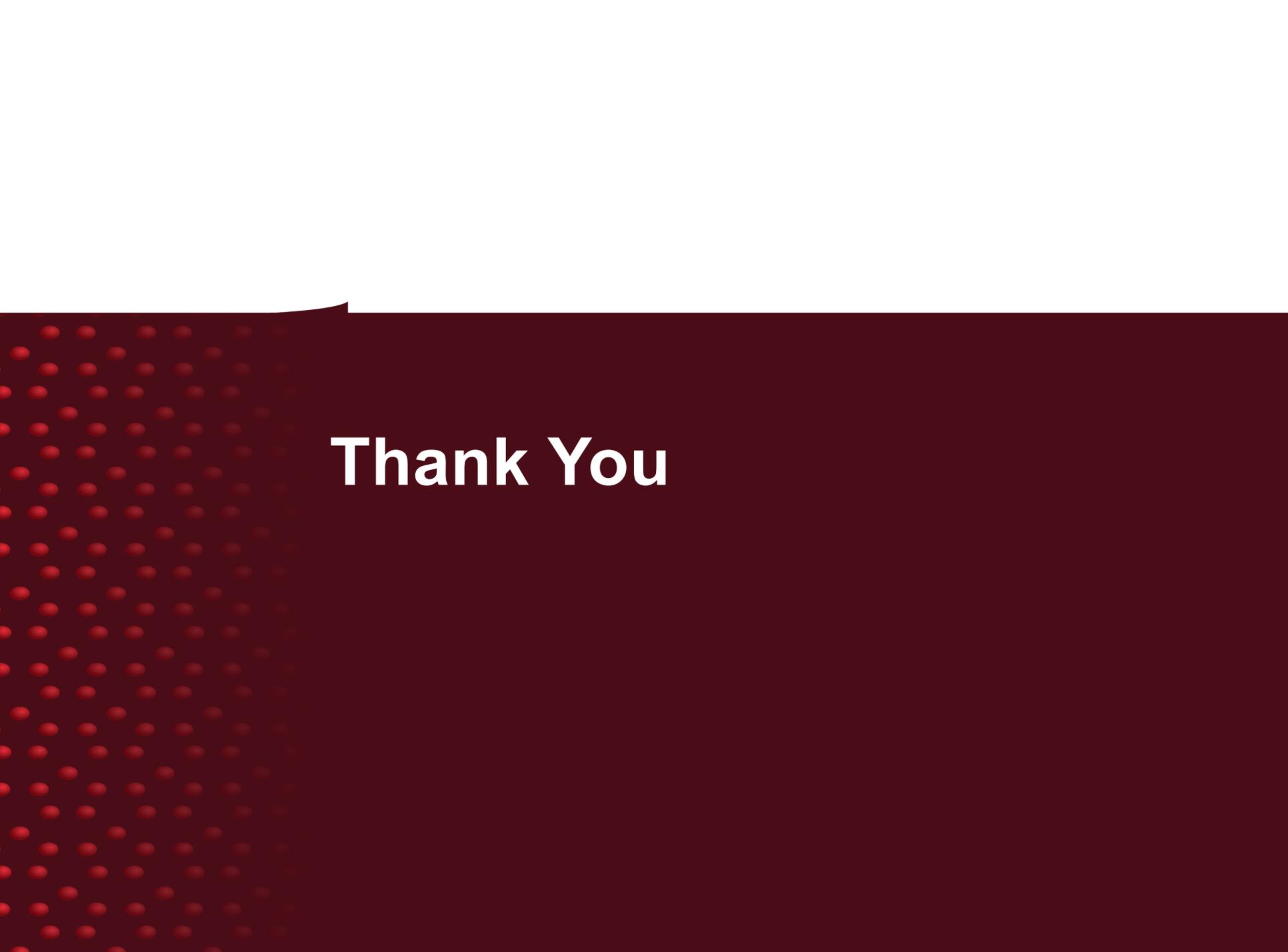
## Emergency Backup Operations Project

## Identifier Technology Health Indicators (ITHI) Consultation:

- <https://www.nro.net/ithi-consultation>

## NRO Website Revamp.

- New Website at the end of Q3 2018



**Thank You**