

# **NRO** update

To be the flagship and global leader for collaborative Internet number resource management as a central element of an open, stable and secure Internet

APNIC 42, 5 October 2016 Colombo, Sri Lanka



## **NRO Presentation Summary**

#### NRO Introduction

- What is the NRO
- Key Focus Areas
- NRO in 2015 & Finance

### NRO Activities

- NRO Global Information
- RIR Accountability
- IANA Stewardship Transition
- Internet Governance Forum



## NRO What is the NRO?

## Number Resource Organization

- NRO MoU, 24 Oct 2003.
- Lightweight, unincorporated association.

#### Mission

- Provide and promote a coordinated Internet number registry system;
- Promote the multi-stakeholder model and bottom-up policy development process in Internet governance;
- Coordinate and support joint activities of the RIRs;
- Act as a focal point for input into the RIR system;
- Fulfill the role of the ICANN Address Supporting Organisation (ASO).



# NRO Key Focus Areas

- Support RIR coordination.
- Global collaboration and governance coordination.
- Monitor an contribute to global Internet governance discussions.



## NRO **NRO in 2016**

#### Executive committee

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

### Secretariat

- Hosted by LACNIC
- Executive Secretary: German Valdez (since April 2013)

## Coordination Groups

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



### NRO **NRO Finances**

#### Expenses

- Travel (ASO AC Chair and Executive Sec).
- Communications (Webex), NRO CG coordination (Meeting room) and outreach (IGF, ICANN, etc).
- IGF Contribution
- Contribution to ICANN.
  - \$823,000 for 2015-2016 FY
  - 2016 2017 FY contribution to be determined by the new SLA with ICANN
- Staff cost (Executive Secretary)

#### Budget

Shared proportionally based on registration services revenue.

#### Joint RIR Stability Fund

- to help ensure reliable operation of the Internet's IP address management system globally in case of disruptions or emergencies.
- Pledges for over 2.1 million US Dollars
- https://www.nro.net/joint-rir-stability-fund



## **NRO Global Information**

# Internet Number Status Report

- Updated quarterly.
- Global stats on IPv4, IPv6, ASN
- https://www.nro.net/statistics

# Comparative Policy Overview

- Updated quarterly
- New information on RIRs membership policy (access to delegation and registration services)
- https://www.nro.net/comparative-policy



# NRO RIRS Accountability

#### Governance Matrix

- Overview of the governance frameworks of the RIRs.
- Information on Bylaws, Regional PDP, Dispute Resolutions, Use of Whois, Privacy issues, Budget, Activity planning etc.
- https://www.nro.net/governance-matrix
- Ongoing process to improve RIR accountability mechanisms

### RIR Accountability Q&A

https://www.nro.net/rir-accountability

## Joint RIR Independent Accountability Review

- Independent review currently in process in all RIRs.
- Results will be made public



# RIR - IANA Service Level Agreement

- Fully based and in compliance with CRISP proposal.
- Final version signed during ICANN 56 in Helsinki and since October 1<sup>st</sup> 2016 in effect
  - http://www.nro.net/sla



#### Review Committee

 Key element of the Internet Number Community Proposal, to ensure that the IANA Numbering Services Operator maintains the service level defined in the SLA:

#### **AFRINIC**

- Fiona Asonga, Douglas Onyango community representatives
- Madhvi Gokool staff representative

#### APNIC:

- Dr Ajay Kumar, Tomohiro Fujisaki community representatives
- George Kuo staff representative

#### ARIN:

- Louie Lee, Jason Schiller- community representatives
- Nate Davis staff representative

#### LACNIC:

- Nicolas Antoniello, Edmundo Cazares- community representatives
- Ernesto Majó-staff representative

#### **RIPE NCC:**

- Filiz Yilmaz, Nurani Nimpuno-community representatives
- Andrew de la Haye staff representative
- https://www.nro.net/iana-numbering-services-review-committee



# CCWG on ICANN Accountability

- Numbers community representatives on enhancing ICANN's Accountability
  - Appointment of RIR staff and Numbers Community members.
    - Izumi Okutani (APNIC Region )
    - Athina Fragkouli (RIPE NCC Staff)
    - Fiona Asonga (AFRINIC Region)
    - Jorge Villa (LACNIC Region)
- Now discussing accountability improvements in ICANN post-transition period.



## Intellectual Property Rights

- The IETF Trust will now hold the IANA IPR.
- The IANA Community Coordination Group (CCG) provides guidance, advice, and if expressly specified in the IPR agreement, approvals, to the IETF Trust regarding the stewardship of the IANA IPR.
- The CCG is comprised of nine (9) individuals, three (3) appointed by each of the Operational Communities.
- The NRO EC agreed that the NRO officeholders rotating each year would be appointed to the CCG.
  - Chair Oscar Robles (CCG Co-chair)
  - Secretary John Curran
  - Treasurer Paul Wilson



# RIR Legal Team

- The NRO would like to thank the RIR legal team for their hard work and dedication during the long process of the IANA Stewardship Transition for the benefit of the Global Number Community
  - Ashok Radhakissoon (AFRINIC)
  - Craig Ng (APNIC)
  - Michael Abejuela (ARIN)
  - Eduardo Jimenez (LACNIC)
  - Athina Fragkouli (RIPE NCC)



# NRO Some "History"....

Montevideo Statement, Oct 2013

"Montevideo, Uruguay – The leaders of organizations responsible for coordination of the Internet technical infrastructure globally have met in Montevideo, Uruguay, to consider current issues affecting the future of the Internet.

. . .

"They identified the need for ongoing effort to address Internet Governance challenges, and agreed to catalyze community-wide efforts towards the evolution of global multistakeholder Internet cooperation.

"They called for accelerating the globalization of ICANN and IANA functions, towards an environment in which all stakeholders, including all governments, participate on an equal footing."



## **Thank You**

http://www.nro.net