



# 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



# 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
  - NRO Participation

# 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 and contribute to global Internet governance discussions.

# 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 ARIN
  - Executive Secretary: German Valdez (since April 2013)
- **Coordination Groups**
  - CCG, ECG, RSCG.

# NRO Finances

- **Expenses**

- Travel (ASO AC Chair and Executive Sec).
- Communications (Webex), NRO CG coordination (Meeting room) and outreach.
- IGF Contribution
- Contribution to ICANN.
  - Remains at \$823,000 per annum (SLA included)
- 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

# 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>

# 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





# IANA Stewardship Transition

- **IANA Stewardship Transition – CRISP Proposal**

- Support of Consolidated RIR IANA Stewardship Proposal (CRISP) Team to drive Internet Number Community consultation process
- Meetings records, charter, members
  - <http://www.nro.net/crisp-team>
- Community Proposal submitted to ICG
  - <http://www.nro.net/crisp-final-proposal>
- IANA Numbering Services Review Committee Charter
  - <https://www.nro.net/review-committee-charter-v1>

- **RIR - IANA Service Level Agreement**

- Fully based and in compliance with CRISP proposal.
- SLA final document to be signed during ICANN Meeting in Helsinki
  - <http://www.nro.net/sla>

2001:610:240:0 193.0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:010:240 193.0.0.203 195:048:02:03  
62:109:128 195:048:02:03 193:0.0.203 2001:610:240 193:0.0.203 2001:610:240 193:0.0.203  
193.0.0.203 2001:610:240:0 193:0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193:0.0.203  
2001:610:240:0 193:0.0.202 62:109:128 195:048:02:03 178:12:02:02 2001:610:240 193:0.0.203  
Number Resource Organization

# NRO Participation

- **Participation in the 10th IGF in Brazil.**
  - NRO supports annually to the IGF - 100K USD.
  - NRO Booth
  - Two NRO Workshops (including IPv6 deployment) and RIR Open Forum
  - Support of IPv6 Best Practice Forum
- **OECD Ministerial on Digital Economy 2016 in Mexico**
  - ITAC IPv6 session
  - Internet of Things Panel
- **Preparations for the 11<sup>th</sup> IGF in Mexico.**



# Thank You

- <http://www.nro.net>

2001:610:240:0 193.0.0.202 62:109:128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 195.048.02.03  
62:109:128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203 2001:610:240:0 193.0.0.202  
193.0.0.203 2001:610:240:0 193.0.0.202 62:109:128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203  
2001:610:240:0 193.0.0.202 62:109:128 195.048.02.03 178.12.02.02 2001:610:240 193.0.0.203  
Number Resource Organization