

COOPERATIVE AGREEMENT BETWEEN THE AMERICAN REGISTRY FOR INTERNET NUMBERS, LTD. AND THE NORTH AMERICAN NETWORK OPERATORS' GROUP

1. Cooperating Parties:

THE AMERICAN REGISTRY FOR INTERNET NUMBERS, LTD. or "ARIN", a nonprofit member-based organization serving over 5,000 member organizations and over 20,000 customers that include Internet service providers, enterprises, universities, content providers, hosting companies and more. ARIN plays a unique and critical role in the operations of the Internet in Canada, the United States, and many Caribbean islands. This includes IP address space allocation, transfer, and record maintenance; registration information (WHOIS); education, discussion-focused mailing lists; facilitation of a bottom-up, open Internet resource policy development process; and the development of technical services to support the evolving needs of the Internet community.

And

NORTH AMERICAN NETWORK OPERATORS' GROUP or "NANOG", a professional association for Internet engineering and architecture organized as a 501(c)3 non-profit membership organization whose mission is to provide forums in the North American region for education and the sharing of knowledge for the Internet operations community. NANOG focuses on the technologies and systems that make the Internet function: core routing and switching; Internet inter-domain routing; the domain name system; peering and interconnection; and Internet core security. We also cover associated areas with a direct impact on Internet architecture such as data centers and optical networking. NANOG is comprised of 570 members and proudly serves over 750 attendees during its conferences held 3 times per year. NANOG and ARIN are referred to in this agreement each individually as a "Party" and collectively as the "Parties".

2. Purpose:

The purpose of this Cooperative Agreement (CA): To document the agreement between the organizations to work cooperatively on a seamless set of services to the Internet operators of the North American region.

Annually, in January, the Parties will review and update a specific list of coordinated activities and related support as mutually agreed in writing and identified in Appendix A. This CA strives to more formally define the existing relationship between the Parties and ensure mutual and respectful cooperation to benefit the shared community.

3. General Areas of Cooperation:

- a. Collaborate mutually and equally to plan and facilitate joint or conjoined meetings and related activities of mutual interest, from time to time, to advance sound Internet network operations and development of informed Internet number resource policy.
- b. Maintain an open communication channel for the development of mutually beneficial meetings, respecting the cultures of both Parties. Cross promote each Parties' meetings to the benefit of educating the shared community.
- c. Promote Internet engineering educational efforts, including scholarships, fellowships, and other opportunities as may be mutually agreed.

4. Terms:

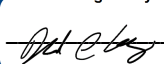
This Cooperative Agreement will be in effect until December 31, 2020, unless sooner terminated as provided herein.

Either Party may terminate this CA for any reason, or no reason, upon written notice to the other party to that effect. Unless otherwise mutually agreed by the parties, the effective date of such termination shall be on the thirtieth (30th) day after the date of the notice of termination.

Nothing in this Agreement shall be construed to be legally binding and enforceable in any court of law. Nothing in this Agreement shall be construed to make or authorize a Party as the agent of the other Party.

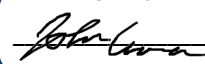
This **Cooperative Agreement** has been duly executed as of the 29th day of June, 2016.

NORTH AMERICAN NETWORK OPERATORS' GROUP (NANOG)

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AMERICAN REGISTRY FOR INTERNET NUMBERS, LTD. (ARIN)

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Appendix A – Activities and Support

Last Updated: March 2015, April 2016, June 2016

Specific Areas of cooperation in the 2016 – 2017 timeframe include:

- Joint Fall Meeting, 2019 Planning – This consists of a shared meeting week in October of 2019 containing a full NANOG Meeting and an ARIN Public Policy and Members Meeting. ARIN and NANOG will collaborate to find a mutually agreeable location and a venue that fits the needs of both parties. Staff from both organizations shall be a party to all hotel negotiations, resulting in individual hotel contracts, with appropriate staff from each organization being recognized as the main point of contact for their respective hotel contracts.
- ARIN Public Policy Consultations at NANOG meetings – As ARIN policy may have implications for network operators participating in NANOG, ARIN will submit a proposal to the NANOG Program Committee for consideration of a policy discussion session at a NANOG meeting in order to gain valuable network operational input into Internet number registry policy. Approval for such a proposal will be duly considered by the NANOG Program Committee. ARIN will submit for each NANOG meeting a request for programming of an ARIN Public Policy Consultation. The NANOG Program Committee may assign a committee member to work with the ARIN Advisory Council to create content that is valuable to both the ARIN and NANOG communities and missions. ARIN will work through the NANOG processes to request and confirm the session assignment for each meeting. ARIN may use and rely on the agreed upon time slot for preparation and community notification needs in advance of a published NANOG meeting agenda. Participation in the ARIN Public Policy Consultation track will be open to all without charge, and any ARIN-only attendee badges will be managed by ARIN. Any additional space set-up requirements for the track will be managed by NANOG staff.
- ARIN Sponsorship of NANOG webcasting – ARIN will provide annual Sponsorship funding, in an amount mutually agreed upon by the Parties, to NANOG targeted to help support the webcast costs of \$17,000 at each NANOG meeting. Webcasting the program content is of benefit to the Internet community in the ARIN region and beyond. This ARIN financial contribution to NANOG supports the ARIN mission to provide educational outreach. NANOG will recognize ARIN as a Sponsor, provide limited, paid-in-advance meeting registrations, provide private meeting space where possible, and will bill ARIN after each event.
- ARIN Registration Services Helpdesk at each NANOG meeting - As part of the annual ARIN Netcast Sponsorship agreement, NANOG will provide a space in a well-trafficked area for the ARIN Registration Services Desk at NANOG Meetings. This ARIN presence provides network operators in attendance with the opportunity to meet face-to-face with ARIN Internet resource analysts about

general and specific requests for Internet number resources. This helpdesk has proven valuable to the NANOG community and helps ARIN fulfill its mission goals.

- Elections Helpdesk at Fall Joint Meeting - During each Fall joint meeting, ARIN and NANOG will each provide an Elections Helpdesk. NANOG will provide space in a well-trafficked area for ARIN and NANOG Elections Helpdesks at each NANOG fall meeting. This presence provides network operators in attendance with the opportunity to ask questions and participate in the annual elections process of each organization.
- Joint ARIN+NANOG On The Road events – These are one day, joint technical education events that are illustrative of content from a NANOG meeting as well as education about ARIN services. ARIN and NANOG will collaborate to select venues, will share the administrative overhead of planning and executing these meetings, will evenly split the agenda time and will collaborate in order to integrate topics where appropriate.
- During each NANOG On The Road event that is not joint with ARIN, ARIN will agree to provide speakers to address areas of common, joint concern to Network Operators. The NANOG Program Committee will work with ARIN leadership to confirm dates for 2016 and 2017 and to identify content and ARIN Speakers.
- Use of ARIN's meeting IP address block - ARIN will provide NANOG with use of ARIN's meeting IP address block solely for use for the networks at NANOG meetings. NANOG will submit an annual request to ARIN for a Letter of Authority authorizing the use of the IP address blocks for all meetings within that year.
- Discuss participation in the NANOG Scholarship program.