

## Mission Statement

*Applying the principles of stewardship, ARIN, a nonprofit corporation, allocates Internet Protocol resources; develops consensus-based policies; and facilitates the advancement of the Internet through information and educational outreach*

## News from ARIN X

*Back-to-back NANOG, ARIN meetings a success!*

The North American Network Operators' Group (NANOG) and the American Registry for Internet Numbers (ARIN) held back-to-back meetings at the end of October in Eugene, Oregon. The meetings were intended to make it easier for the Internet community to participate in both meetings, and the two meetings added up to a week of in-depth discussions, lively debate, and informative sessions. The **NANOG 26** meeting was held October 27th through the 29th and the **ARIN X** meeting was held October 30th through November 1st.

ARIN would like to thank our ARIN X sponsors The University of Oregon and Sprint for generously sponsoring the network and terminal room needs through both meetings. In addition, we would also like to thank Preferred Communications

Inc. NW for sponsoring the ARIN breakfast on Thursday.

For those of you who attended, your participation in the meeting was very important. We also hope those network operators who stayed over from the NANOG meeting found the chance to participate in the public policy discussions helpful and that we will be seeing you again at future ARIN meetings.

We had **152** registrants for ARIN X, representing **27** states and **10** countries. The success of the back-to-back meetings was demonstrated, in part, by the fact that we had over 90 people who attended both NANOG and ARIN, and around 30 first-time ARIN attendees.

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## LACNIC - THE EMERGENCE OF A NEW RIR

**By Raúl Echeberría, Executive Director  
and CEO, LACNIC**

It was 1999 when the work creating a Regional Internet Registry for Latin America and the Caribbean first started. The impetus came from academic institutions, which at that time were the most active organizations using the Internet in the region. Several alternatives and different projects were analyzed. By the end of 1998, they came to the conclusion that in order to make the project viable it was necessary to incorporate other important players who had leading roles with the growing commercial use of the Internet.

In August 1999, after an initial 8-months-stage of approach and primary

negotiations, an agreement was reached resulting in the creation of LACNIC, made up of 6 regional organization's representatives from different sectors.

An important point was the involvement, from the beginning, of the existing national registries from Brazil and México.

In August 1999, within the framework of the ICANN meeting in Santiago, Chile, the intention of this emerging organization to be recognized as a regional registry for Latin America and the Caribbean was publicly presented.

2000 was a consolidation year for the organization. It involved the writing and approval of policies and procedures, debate about the organizational model, membership conditions, deciding the location to legally establish LACNIC and very importantly, the consideration of how to

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today  
@ARIN

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2002

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## Internet Community Calendar

**RIPE 44**, January 27-31 2003, Amsterdam, the Netherlands

**NANOG 27**, February 9-11 2003, Phoenix, Arizona, US

**APNIC 15/ APRICOT 2003**, February 24-28 2003, Taipei, Taiwan

**IETF 56**, March 17-21 2003, San Francisco, California, US

**ICANN**, March 23-27 2003, Rio de Janeiro, Brazil

**ARIN XI**, April 6-9, 2003, Memphis, Tennessee, US

## Internet Community Meeting Reports

### **NANOG 26** **October 27-29, 2002** **Eugene, Oregon, US**

NANOG 26 was held in Eugene, Oregon from October 27 - 29, and marked a very special occasion - the first back-to-back meeting with ARIN. The North American Network Operators Group (NANOG) met from Sunday to Tuesday, and ARIN from Wednesday to Friday, October 30 to November 1.

Tutorial sessions began on Sunday afternoon and included presentations on BGP and IPv6. The General Session was held on Monday and Tuesday, with 2 BOFs occurring on Monday evening. Highlights from Monday's agenda included a presentation by Marc Sachs from the U.S. Office of Cyberspace Security on "A National Strategy to Secure Cyberspace", and a highly qualified panel who discussed "Services, Complexity, and the Internet: What Direction?" One of Monday night's BOFs dealt with tools for use by network operators, and the other with ISP Security. Much of Tuesday's agenda was devoted to IPv6, and in fact, it was stated at the conclusion of the meeting on Tuesday afternoon that it is expected that the next NANOG meeting will include more presentations on IPv6, as it is becoming more of a topic of interest to network operators.

Details of the meeting can be found at:

<http://www.nanog.org/mtg-0210/>.

### **ICANN** **October 27-31, 2002** **Shanghai, CN**

The International Corporation for Assigned Names and Numbers (ICANN) held a meeting at the Shanghai International Convention Centre in Shanghai, China. The main focus of the meeting was the evolution and reform of ICANN. The Board of Directors approved the revised bylaws. Barbara Roseman, Chair of the Address Supporting Organization (ASO) Address Council (AC) presented a report of ASO activities since the last ICANN meeting and presented the ASO AC position on the evolution and reform of ICANN. Raul Echeberria, Chairman of the LACNIC Board of Directors provided a final status report concerning the transition of registry activities from ARIN to LACNIC. Ray Plzak, President & CEO of ARIN, provided a final evaluation of the transition. Following these reports a joinder to the Address Supporting Organization Memorandum of Understanding (ASO MoU) was signed by Raul Echeberria and Stuart Lynn, the President & CEO of ICANN. The signing of this joinder marked the completion of the transition of LACNIC to a Regional Internet Registry. LACNIC joins APNIC, ARIN, and RIPE NCC as a recognized RIR. The ICANN Board of Directors recognized this action by proclamation.

Additional information is available at:

<http://www.icann.org/shanghai/>

### **LACNIC III** **November 12-13, 2002** **Mexico City, MX**

The Latin American and Caribbean IP address Regional Registry (LACNIC) held its public policy meeting at the Gran Melia Mexico Reforma Hotel in Mexico City. This was the first public policy meeting that LACNIC conducted as a recognized RIR. This meeting marked the transition from ARIN policies to the approval of LACNIC policies. Each of the policies was discussed at length.

Additional information is available at:

<http://lacnic.net/en/meetings.html>

### **IETF 55** **November 17-22, 2002** **Atlanta, Georgia, US**

The 55th Internet Engineering Task Force (IETF) meeting was highlighted by plenary discussions of the future of the roles of the

Internet Architecture Board (IAB) and the Internet Engineering Steering Group (IESG). The IAB is tasked to consider architectural issues and directions of the IETF, but in recent years has not been a very visible force within the IETF community. The IESG is tasked with day to day management of IETF activities, including oversight of Working Groups and the advancement of documents to the RFC series. (The RFC Editor does the mechanical work of publishing RFCs.)

Criticism of the current IETF structure stems from the low rate of production of standard documents in recent years despite a lot of activity. The core debate is whether the IETF should remain an engineering organization with an academic bent or should the IETF take a more active role as a standards body. At the heart of this is the expansion of network protocols into the realm of telephony and vice versa.

More pragmatic issues such as IPv6, routing, sub-IP, multicast, security, applications, registry operations, DNS, e-mail, network mobility and other topics were covered in great detail in individual Working Group meetings. The four RIR's also took advantage of this meeting to gather to discuss coordination of our engineering efforts.

Additional information is available at:

<http://www.ietf.org/meetings/meetings.html>

### **ICANN December 14-15, 2002 Amsterdam, NL**

The International Corporation for Assigned Names and Numbers (ICANN) held its annual general meeting at the Sheraton Hotel, Schiphol Airport, Amsterdam, The Netherlands. The main focus of the meeting was the evolution and reform of ICANN. The Board approved the articles of transition to the new bylaws, recognized new members of the board, thanked departing members of the board, appointed officers and organized the transition board.

Additional information is available at:

<http://www.icann.org/amsterdam/>

## Board of Trustee Actions

In the past quarter, the ARIN Board of Trustees met on October 7, November 1, November 17 and November 25. Actions of the Board included:

- Formal approval of the Auditor's Report
- Formal approval to adopt the Financial Committee Charter
- Ratified the following policies:
  - 2002-1: Lame Delegations in IN-ADDR.ARPA
  - 2002-4: Bulk copies of ARIN's WHOIS
- Amended the section of the Bylaws pertaining to Trustee Conflicts of Interest
- Extended the waiver of fees for initial IPv6 allocation, and IPv6 allocations to those currently allocated IPv4 space.
- Extended the waiver of transfer fees

The complete minutes can be found at:

<http://www.arin.net/library/minutes/bot/index.html>

## ICANN Evolution and Reform Process Update

The ICANN Board of Directors at its Shanghai meeting ( see Page 2 ) approved the revised bylaws. The bylaws were approved with a placeholder for the Address Supporting Organization pending the conclusion of discussions between the ICANN Evolution and Reform Committee and the Regional Internet Registries. These discussions, which are focused on the RIR Blueprint document (see <http://www.arin.net/library/ICANN/index.html> ), are expected to continue into 2003.

The ICANN Board of Directors at its Amsterdam meeting (see Page 3 ) approved the articles of transition to the new bylaws noting that the current Memorandum of Understanding regarding the ASO (ASO MoU) between the RIRs and ICANN would remain in effect until such time as a new MoU was completed.

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Highlights from the ARIN meetings include:

### **Policy Discussions:**

#### **Proposal 2002-1 Lame Delegations in IN-ADDR.ARPA**

Discussion revolved around how to contact organizations, and ways to determine the lameness of delegations. Consensus was reached on these issues, and the proposal with changes was accepted through a show of hands.

**Current Status:** The ARIN Advisory Council recommended that the ARIN Board of Trustees adopt Policy Proposal 2002-1. On November 25, the Board of Trustees voted to approve the policy as amended.

#### **Proposal 2002-2 Experimental Internet Resource Allocations**

Some attendees felt that the "commercial purpose" language in the proposal needed to be clarified. A majority of those expressing their opinions on the matter agreed that the language needed to be revised. Another point raised was whether the disclosure of details of the experiment be made optional to protect proprietary information. A vote was taken and consensus was unanimously against such a change.

**Current Status:** The ARIN Advisory Council, based on comments from stakeholders expressed either at the ARIN X Public Policy meeting or on the ARIN public policy mail list, advised the ARIN Board of Trustees that Policy Proposal 2002-2 will be returned to the public policy mailing list for further discussion and consideration. The Board of Trustees approved this recommendation.

#### **Proposal 2002-3 Micro-Assignments for Multihomed Networks**

Discussion of this policy was combined with discussion of similar policies, specifically proposals 2002-7 and 2002-9. Many questions were raised about what rationale should be used in setting minimums, and what effect such minimums would have on the community. It was expressed that this particular policy was confusing in its use of "allocation" and "assignment." No clear consensus was reached.

**Current Status:** The ARIN Advisory Council advises the ARIN Board of Trustees that no action is

required on their part regarding this policy proposal, at this time. It was decided that ARIN staff would send a letter out to the author(s) on redrafting the proposal.

#### **Proposal 2002-4 Bulk Copies of ARIN's WHOIS**

After discussion about how the other RIRs handled similar issues, the policy was accepted by a majority of those voting with the change that private POC information be kept out of the bulk copies.

**Current Status:** The ARIN Advisory Council recommended that the ARIN Board of Trustees adopt Policy Proposal 2002-4. On November 25, the Board of Trustees voted in favor of approving the policy.

#### **Proposal 2002-5 Amnesty Requests**

A large majority of those voting indicated that they would in general support an amnesty policy with a limit of a /24. The suggestion was made for wording changes similar to those made in Proposal 2002-6, specifying a 12-month limit to renumber, an applicability to portable addresses only, and that the policy apply to any smaller size down to a /24. A slight majority showed a preference for making the limit a /24, instead of a larger size.

**Current Status:** There were substantive comments made during the last call period for this policy. The ARIN Advisory Council, based on comments from stakeholders expressed either at the ARIN X Public Policy meeting or on the ARIN public policy mail list, and noting that there have been substantive comments regarding Policy Proposal 2002-5 advised the ARIN Board of Trustees that Policy Proposal 2002-5 will be returned to the public policy mailing list for further discussion and consideration. The Board approved this recommendation.

#### **Proposal 2002-6 Aggregation Requests**

The suggestion was made for wording changes specifying a 12-month limit to renumber, an applicability to portable addresses only, and that the policy apply to any smaller size down to a /24. Another suggestion was made that a change be made to the text that ARIN will select the space. Specific language suggested, "Shall receive at their option," rather than "shall be allowed to select". In addition, a limit of up to a /20 on the

size of an allocation received was suggested. In voting, the majority favored the policy as written, rather than with changes.

**Current Status:** There were substantive comments made during the last call period for this policy. The ARIN Advisory Council, based on comments from stakeholders expressed either at the ARIN X Public Policy meeting or on the ARIN public policy mail list, and noting that there have been substantive comments regarding Policy Proposal 2002-6 advised the ARIN Board of Trustees that Policy Proposal 2002-6 will be returned to the public policy mailing list for further discussion and consideration. The Board approved this recommendation.

### **Proposal 2002-7 Micro-Assignments for Multihomed Organizations**

Discussion of this policy was combined with discussion of similar policies, specifically proposals 2002-3 and 2002-9. Many questions were raised about what rationale should be used in setting minimums, and what effect such minimums would have on the community. No clear consensus was reached, though a majority of those voting approved trying to make appropriate changes.

**Current Status:** The ARIN Advisory Council advises the ARIN Board of Trustees that no action is required on their part regarding this policy proposal, at this time.

### **Proposal 2002-8 Privatizing POC Information**

It was pointed out that at least one point of contact needs to remain visible for the resolution of networking and spam issues. In voting at the meeting, unanimous consent was shown in support of accepting this policy as written.

**Current Status:** The ARIN Advisory Council, based on comments from stakeholders expressed either at the ARIN X Public Policy meeting or on the ARIN public policy mail list, and noting that there have been substantive comments regarding Policy Proposal 2002-8, advised the ARIN Board of Trustees that Policy Proposal 2002-8 will be returned to the public policy mailing list for further discussion and consideration. The Board approved this recommendation.

### **Proposal 2002-9 To allow Micro-Assignments for End-user Organizations**

Discussion of this policy was combined with discussion of similar policies, specifically proposals 2002-3 and 2002-7. Many questions were raised about what rationale should be used in setting minimums, and what effect such minimums would have on the community. No clear consensus was reached, though a majority of those voting approved rejecting the proposal.

**Current Status:** The ARIN Advisory Council, based on comments from stakeholders expressed either at the ARIN X Public Policy meeting or on the ARIN public policy mail list and noting that there have been substantive comments regarding Policy Proposal 2002-9, advises the ARIN Board of Trustees that no action is required on their part regarding this policy proposal.

### **Working Group Actions:**

#### **RFC 2050 Working Group**

Mark McFadden, RFC 2050 Working Group Chair, gave an update on its activities. It was reported that a RFC 2050 inventory has been published on the mailing list, and discussions have been held at three RIRs. It has been decided to have the RIRs work cooperatively rather than have a single RIR do the work. A series of documents has been proposed, and small editorial teams proposed for the documents.

#### **Community Learning and Education Working Group (CLEW)**

CLEW Working Group Chair, Bill Darte, reported on the group's history, its recent charter revision and the general successes and failures of CLEW. He recommended that with the lack of involvement in the group, and the fact that other avenues existed to present ideas for training, the CLEW working group should be disbanded. A vote was taken, and the proposal was approved unanimously. Bill was thanked for his leadership and work associated with CLEW.

#### **Database Implementation Working Group (DBWG)**

Ginny Listman, DBWG Working Group Chair and ARIN Director of Engineering, reported on issues involving the DBWG. The items discussed included a post-conversion report, changes to WHOIS

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output, stale POC data, and presentations on the next steps for the ARIN database and the Early Registration Transfer Project. The attendees were asked how they felt rejected templates should be marked. It was suggested that the return e-mail from ARIN should include either "Approved" or "Rejected" in the subject line, along with the appropriate ticket number. It was decided that ARIN would take this as direction from the community.

### **Routing Table Measurement and Analysis Working Group (RTMA)**

The RTMA Working Group Chair, Cathy Wittbrodt, presented findings of work being conducted by graduate students at UCLA to show the amount of time between the allocation of a prefix and its appearance in the global routing table. In addition, a report was given by Philip Smith providing an update on the status of the routing table.

### **Election Information:**

#### **ICANN ASO AC**

Candidates for the seat on the ASO AC representing the ARIN region were given an opportunity to speak. Outgoing representative Cathy Wittbrodt was thanked and received a round of applause in recognition of her dedicated service over three years as a member of the ASO AC from the ARIN region. After voting closed, it was announced that Mark McFadden had been elected to the ICANN ASO AC from the ARIN region. He will serve a three year term beginning January 1, 2003.

#### **ARIN Board of Trustees and Advisory Council**

The list of candidates, along with biographical information, was presented. Those candidates in attendance were given the opportunity to address the attendees.

Full election results are available on Page 8.

### **ICANN Evolution and Reform Update:**

John Curran, ARIN Board of Trustees Chairman, gave a report on the ICANN Evolution and Reform Process and described the joint-RIR proposal for the creation of a Numbering Resource Registry (NRR). <http://www.arin.net/nrr-blueprint/>

### **Other Discussion Items:**

#### **Proposal for Transfer of 6Bone Address Management Responsibilities to RIRs**

Mark Kusters, ARIN Advisory Council member, moderated the discussion on this issue. While this is not a formal ARIN policy proposal; comments have been requested on this document in all three RIR regions and the 6bone community. Discussion of the issue focused on identifying an exact amount for the administration fee, the place the RIRs should have in closing down the 6bone and whether or not they have the right to do so, as well as talking about the consequences of the RIRs not doing this. Mark said that the discussion would be taken as feedback and a summary of discussions on the issue would be produced before the end of the comment period on December 31, 2002.

#### **News of ICANN approval of LACNIC as fourth RIR**

The audience engaged in a round of applause on the news of ICANN's approval of LACNIC as the fourth RIR.

#### **Adjustment of Maintenance Fees**

Lee Howard, ARIN Treasurer, moderated the discussion on adjusting ARIN's maintenance fees. A number of fee scenarios were presented, as well as suggested from the floor. After much discussion, a vote was taken and a majority supported the concept of a fixed maintenance fee of between \$100 to \$120.

#### **IPv6 Fee Structure**

John Curran presented three possible scenarios for an IPv6 fee structure. After discussing the issue, a vote was taken and a majority supported a fee structure that mirrored the current IPv4 fee structure, with the inclusion of a separate schedule for holders of only IPv6 space.

#### **Transfer Fees**

During the open microphone section of the Members Meeting it was brought up that the issue of whether or not to extend the waiver of transfer fees needed to be discussed. After a short discussion, consensus was reached that extending the transfer fee waiver another year would be acceptable. John Curran replied that he believed

with that feedback the Board would know how to handle this decision.

### For detailed information:

Complete details of what was discussed at ARIN X, as well as the presentations that were given, are available on our website. The minutes from the Public Policy Meeting are accessible at:

[http://www.arin.net/library/minutes/ARIN\\_X/ppm.html](http://www.arin.net/library/minutes/ARIN_X/ppm.html),

and the Members Meeting minutes can be found at:

[http://www.arin.net/library/minutes/ARIN\\_X/member.html](http://www.arin.net/library/minutes/ARIN_X/member.html).

## Community Input Welcome: ARIN Training Efforts

In early November, following many attempts to revitalize the group, the Community Learning and Education Working Group (CLEW) and its mailing list was disbanded. Former CLEW Chairman Bill Dart is thanked for his years of service and tireless efforts in organizing and initiating the work of this group.

CLEW is recognized as the catalyst for many projects undertaken, including the following:

- creation of documentation and FAQs
- introduction of tutorials at ARIN meetings
- creation of quarterly ARIN Today newsletter
- guidance on website redesign
- training initiatives such as the first computer based training module

The CLEW mailing list archive can be found at URL:

[http://www.arin.net/mailling\\_lists/clew/index.html](http://www.arin.net/mailling_lists/clew/index.html)

ARIN members and the user community at large are encouraged to express needs in the area of training by contacting Member Services at [memsvcs@arin.net](mailto:memsvcs@arin.net) or to initiate discussions concerning possible new services in the area of training and outreach by utilizing the [arin-discuss](mailto:arin-discuss) mailing list. Members may subscribe to this mailing list at: [http://www.arin.net/mailling\\_lists/index.html](http://www.arin.net/mailling_lists/index.html)

## DBWG Announcement

Through discussions on the Database Implementation Working Group mailing list ([dbwg@arin.net](mailto:dbwg@arin.net)), and further discussion at ARIN X in Eugene, Oregon, ARIN Engineering will be making the following changes:

. The word "REJECTED" or "APPROVED" will be appended to the subject line on the return messages for all Reassign, Reallocate, AS Number Modification and Network Modification templates. This will be put into effect on January 6, 2003.

. Minor modifications to the WHOIS display will be implemented and released in January 2003. These changes include displaying the physical location for all networks and autonomous system queries, providing labels for all address and comment lines. Notification of these changes will be provided to the mailing list as well as a URL identified in the WHOIS banner.

## ARIN XI Announced

ARIN XI will take place from April 6th through the 9th in Memphis, Tennessee.

As always there will be many exciting policy discussions and reports to the members, a social event to network with colleagues and the ARIN staff, and the famous Foosball Tournament. Look for meeting registration information on the website starting in late January.

There are still sponsorship opportunities available, and we invite you to show your support for these meetings and the Internet community by sponsoring or cosponsoring all or part of the meeting. For more information, please visit: <http://www.arin.net/membership/sponsor.html>

## 2002 ARIN Elections

### Nomination Process

In accordance with the ARIN Bylaws:

·A call for ARIN Board of Trustees and Advisory Council nominations went out to ARIN members via the arin-announce mailing list and ARIN's website

·Nominations closed at the specified date and time, though due to bylaw requirements, the nomination period for the Board of Trustees was extended

·All eligible nominations for the Board of Trustees and Advisory Council were put forth to the general membership

·Candidate bios were posted to the ARIN website

·Each candidate was given an opportunity to address the ARIN membership at the ARIN X Member Meeting in Eugene, Oregon on November 1, 2002.

### Election Process

In accordance with the ARIN Bylaws:

·Online voting for the ARIN members began November 4 at 9:00 AM EST

·Voting closed 1 week later on November 11, 9:00 AM EST

·All online votes were required to be confirmed by the voter by noon EST on November 11

·The votes were tallied by ARIN President and CEO Raymond A. Plzak, ARIN Board member Scott Bradner, and ARIN Counsel J. Dennis Molloy.

The results are provided below. The election process and results have been verified according to the requirements in the ARIN Bylaws.

David Conrad and Bill Woodcock won seats on the Board of Trustees. The vote count for the election was:

John M. Brown	17
David Conrad	53
Stephen Stuart	31
Bill Woodcock	51
<b>Total Votes Cast</b>	<b>152</b>

The winners of full three year terms in the Advisory Council election were Bill Darte, Tanya Hinman, Alec Peterson, John Sweeting, and Suzanne Woolf. Mark Kosters was elected to serve a one-year term, filling the vacancy left by Jeremy Porter's resignation. The vote count for the election was:

Dana Argiro	26
William (Bill) J. Darte	57
Andrew Dul	25
Dale Finkelson	20
Teri Francis	17
Tanya Hinman	45
Mark Kosters	37
Cleveland (Cleve) K. Mickles	21
Alec H. Peterson	49
Lea Roberts <sup>1</sup>	35
Charles Smith	11
John Sweeting	39
Stacy L. Taylor <sup>1</sup>	29
Suzanne Woolf	42
<b>Total Votes Cast</b>	<b>453</b>

<sup>1</sup> On Friday, November 15, 2002, the Advisory Council appointed Lea Roberts and Stacy Taylor as Advisory Council members to fill the vacancies created by the resignations of lyric apted and John Brown. These appointments were confirmed by the ARIN Board of Trustees on Sunday, November 17, 2002. The appointments to these vacancies are interim and shall become part of the election process for Advisory Council members held for the purpose of filling Advisory Council terms that will expire December 31, 2003.



## Registration Services Post-conversion Frequently Asked Questions

In an effort to provide answers to questions frequently received at [hostmaster@arin.net](mailto:hostmaster@arin.net) and through our Registration Services Help Desk in regards to post-conversion issues, we have compiled the following list.

### **What is an Org ID?**

An Organization ID is a database identifier; one organization name should equate to one organization ID. At conversion, all maintainer IDs were converted to Org IDs, and all registrants except for those determined to be "customers" (no POCs or in-addrs) had an Org ID created for them by ARIN. All Organizations should be updating their Org IDs by adding the correct Admin and Tech POCs.

### **Why do I have so many org ID's and can I consolidate them into just one?**

The registered Admin POC can send a message to [hostmaster@arin.net](mailto:hostmaster@arin.net) to request this consolidation and should be sure to provide a list of all known Org IDs.

### **Who is authorized to request IP addresses and ASNs from ARIN?**

The Org Admin POC and the Org Tech POC are the only two who can request resources from ARIN, therefore, the Org Admin POC and the Org Tech must be established before requesting any new or additional resources from ARIN.

### **Which template is used to update a POC or an organization?**

The Org Template is the only template that can be used to modify the Org ID and the POC template is the only template that can be used to update or modify a POC record. Although some of the other templates include a POC section, it is only used to create a new POC handle, not to modify it.

### **Which template is used to delete a directly allocated network record, and which one is used to delete a reassignment?**

The Network Modification template can be used to delete any network record regardless of whether it is a direct registration or a reassignment.

### **How many POCs can be associated with a resource or organization record?**

You will be able to associate multiple Technical, Abuse and NOC POCs with any resource or organization record in ARIN's database. In addition, these POCs can have multiple e-mail addresses associated with them.

### **What is the first step in the process of completing a transfer request?**

Before submitting a transfer request, the new organization will need to establish an Org ID and an Org Admin POC by submitting an Organization Detailed Template to [hostmaster@arin.net](mailto:hostmaster@arin.net).

### **What is the difference between the reassign and the reallocate templates?**

The Reallocate Template is used to allocate IP addresses to a downstream ISP for further subdelegation. This template can also be used to establish the downstream ISP's Organization ID, and its Admin and Tech POC.

The Reassign Detailed Template is used to reassign IP addresses to a downstream organization who will not further subdelegate the address space, but who will maintain their own in-addr servers and/or their own POCs on the record. This template can also be used to establish the downstream's Organization ID, and its Admin and Tech POC.

The Reassign Simple Template is used to reassign IP addresses to an end user customer who will not maintain their own in-addr servers or POCs. It can also be used to change the existing customer to a new customer, modify the customer's address information and remove simple reassignments.

### **What is the difference between an org simple and an org detailed template?**

The Org Detailed template is used to register, modify, or remove an organization in ARIN's database. It can also be used to register any type of POC for the organization.

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## **RSD FAQ - Continued from page 9**

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The Org Simple template is also used to register, modify, or remove an organization in ARIN's database, however, a POC cannot be registered using this template. The POC must have a previously established and registered POC handle in order to use this template.

### **How do I change my organization name?**

You must complete the transfer request template and provide the appropriate legal documentation. Legal documentation consists of an authenticated copy of the instrument(s) effecting the transfer of assets, e.g., bill of sale, certificate of merger, contract, deed, or court decree.

### **How does policy get made or changed and who makes the policies?**

Anyone can get involved in the policy making process in the ARIN region. The public meetings are open to all individuals interested in becoming involved in discussions of IP related issues, development of regional policies, and overall advancement of the Internet.

The first step in the process would be to read about the policy making process on the ARIN web page, followed by the submission of a potential policy to ARIN staff who can initiate the process and facilitate the process from there.

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## **LACNIC - Continued from page 1**

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take advantage of the experience of the pre-existing registries (Brazil and Mexico). This led to the signing of two significant cooperation agreements between LACNIC and those registries.

In 2001 we started thinking more concretely, moving forward into the real transitional process, and starting activities. This meant a strong exchange activity and cooperative work with ARIN, which kindly supported the idea of the new registry creation from the beginning. Once the agreement about the transitional process was reached, and the technical staff responsible for the LACNIC Registration Services was trained, the transitional process started. This process started on November 13, 2001 during which LACNIC IP analysts were involved in the evaluation of all request coming from Latin America and the Caribbean.

The transitional period lasted throughout 2002, and the amount of work, as well as the exchange and cooperation with ARIN steadily grew.

At the end of July 2002, LACNIC undertook the responsibility of all the registry activities within its region still under ARIN's supervision.

On October 31 of 2002, within the framework of the ICANN meeting in Shanghai, China, the moment that appeared to be extremely far away, came quickly. The ICANN Board approved the recognition of LACNIC as the fourth Regional Internet Registry, joining the already existent registries: APNIC (Asia Pacific), ARIN (North America and parts of the Caribbean and Africa) and RIPE NCC (Europe and most of Africa) who gave us their support in our incorporation into the RIR community.

On November 18, 2002, the transitional process came to an end. The documents of authority transferring the address blocks from ARIN to LACNIC were signed, and the LACNIC policies were officially approved during the Open Policy Meeting in Ciudad de México (November 11-12, 2002).

During the last month we have seen a sharp contrast between our current existence and our previous stages. Our development stages, which were strongly marked by debate and political work, are now over. And the intense work revolving around the activities of being a registry is started.

We feel very fine and stable today. We have a very good staff handling our daily work with enthusiasm and accomplishing much. At the same time, we dedicate a lot of our time planning for

the future, looking for the ways to be a more efficient organization and to bring the best services to our members and the community in general.

The expectations for the future are good. We see the year 2003 with joy and cheerfulness. We are certain that this year will be booming for our organization. We will do our best to define a good service profile, seeking excellence and delivering to the community. These will constitute the main goals of the organization for the next few years.

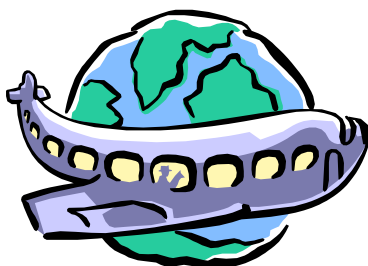
Achieving a balance, we are very proud and satisfied about the work well done and the goals reached. At the same time, we feel gratefulness

and gratitude to all the people and the organizations that in the last five or six years contributed in different ways to the creation of LACNIC.

Finally, I think that the process was successful and appropriate. The way of working, the strategies, and the transitional process, were appropriate and had beneficial consequences. It is very clear that without ARIN's support and the cooperation and mutual work we reached between the two organizations, the story would have been very different.

### Emerging Technologies- Surfing the Friendly Skies

You're on a long flight and you've had enough of the bad in-flight movie, your food was horrible, and worst of all, you have no idea what is happening in the world around you. Wouldn't it be nice to get your e-mail, surf the web, or perhaps even play an online computer game?



The encapsulated limbo of airline travel will soon become a thing of the past for some travelers. An Associated Press article reports that some international carriers are considering providing broadband Internet access to their customers in-flight.

The access would be provided through satellite links using two antennas, one for uploading and the other for downloads. The service is being offered to the airlines through Connexion by Boeing, and while most programs will initially be implemented on only a small number of flights, high customer demand would lead to a wider distribution of the service.

The service is expected to debut in January 2003 on Lufthansa flights from Frankfurt, Germany to Washington Dulles International Airport. Beginning February 17, 2003 British Airways will conduct an additional 90-day demonstration between London's Heathrow Airport and New York's John F. Kennedy Airport.

Other carriers, such as Scandanavian Airlines System (SAS) and Japan Airlines are expected to follow shortly.

Domestic carriers have also been looking into providing Internet access for quite some time.

However, with the drop in revenues after the terrorist attacks of September 11th, most have held off on an expenditure that no one is really sure will garner any big returns.

Limited Internet access, where a proxy server on the plane only connects occasionally with ground units, is already available on some national carriers such as Continental and United.

While some carriers are offering the service for free initially, it is expected that getting access to the service may cost anywhere from \$20 to \$50 a flight. The airlines will also probably provide the service for free or at a discounted rate to first class and business class passengers.

For the service provided through Connexion by Boeing, the minimum system requirements are as follows:

- Enabled RJ-45 Terminated Ethernet interface or configured and operational 802.11b protocol
- Windows 95 or higher
- Mac 8.6 or higher
- Internet Explorer 5.0 or higher
- Netscape 4.7 or higher
- DHCP capable settings

Information about Connexion by Boeing can be found at:

<http://www.connexionbyboeing.com>

### Last Issue's Brain Teaser

#### Answers from last issue's cross-word puzzle

E	U	G	E	N	E		T	A	N
Y				A			A		O
E							D	I	E
S	P	R	I	N	T		L		I
T		O			O	R	E	G	O
R		A			G	I		A	A
A	C	M	E			O	C	T	E
I		I				D		E	I
N		N				E			O
						G	A	U	S
						S	S	I	A
						I	A	N	

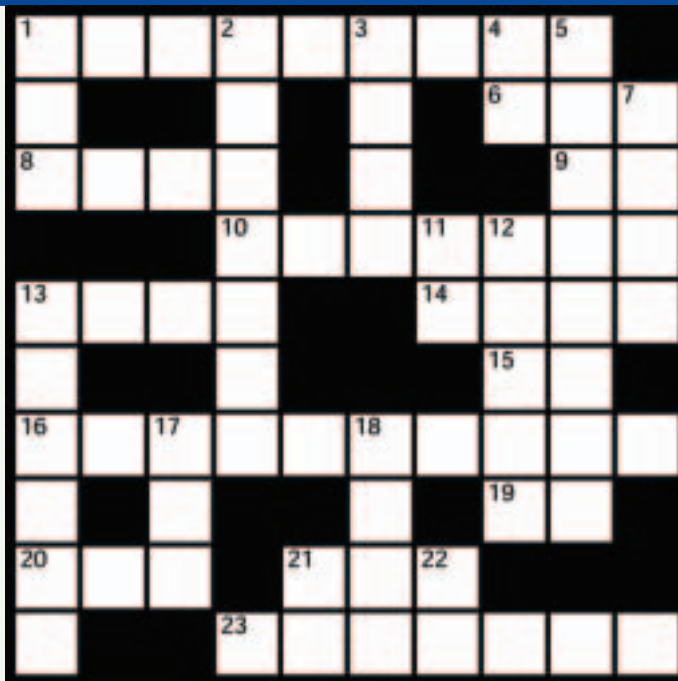
### Crossword

#### Across

- 1. Important activity at ARIN fall meetings
- 6. Something to add to an egg
- 8. Electromagnetic radiation between ultraviolet and gamma
- 9. 50 twice, Roman style
- 10. All together
- 13. Where to build your snowman
- 14. A group of eight adjacent bits
- 15. Smallest state, abbr.
- 16. The virtual location where we all spend too much time
- 19. Abbr. of what is used to fill balloons
- 20. Winter danger
- 21. Type of magnetic tape used for backup
- 23. City in Tennessee and Egypt

#### Down

- 1. Early Registration Transfer Project, for short
- 2. Spice that can heat you up on a cold winter day
- 3. A separate article or particular
- 4. A network of many simple processors that imitates biological processing, abbr.
- 5. Celestial event in summer and winter
- 7. What Rudolph's colleagues shouted out with



- 11. Singular of something that will need to be made of steel after the holidays
- 12. Grape varietal grown in France, as well as Australia
- 13. Newest registry
- 17. Farewell
- 18. Least popular type of e-mail
- 21. Country code for origin of many of the season's traditions
- 22. Ending for F, HT, SM, NN, PP, and U among others



**ARIN Today**, a quarterly newsletter, is produced for the ARIN membership and the Internet community. Articles and contributions dealing with IP-address issues and technology are welcome from all sources.

Each issue is filled with news highlights, descriptions of what happened at various meetings, updates on policy, and information about training and other services ARIN provides its members. Technology news and interesting applications are also covered.

So if you have an idea about an article you'd like to submit, or something you'd like to see, please contact the editor at [arintoday@arin.net](mailto:arintoday@arin.net).

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