

# IPv4 Transaction Process

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# Where are the IPv4 Addresses?

Region	Population	# IP's assigned	Available IP / Person Population Ratio
Asia	3.879 B	923M	.238
Africa	1.022 B	101M	.099
Europe	0.830 B	671M	.808
Latin Am	0.572 B	167M	.291
North America	0.382 B	1,879M	4.919



# IPv4 Addresses Available from the RIR's

On February 3, 2011, IANA allocated the last of the five /8's to each regional RIR, exhausting the IANA pool

RIR	Exhaustion Date	Practice
APNIC	April 15, 2011	each APNIC member is able to get one allocation of 1024 addresses (a /22 block) once
RIPE	Summer 2012?	a three month supply is provided to each requestor
ARIN	2014 --- has 5 /8's left	a three month supply is provided to each requestor

A stylized map of Europe is shown on the left side of the slide, rendered in a light beige color against a dark blue background. The map is oriented vertically, showing the continent's outline.

# Transfer of IPv4 within RIPE NCC

- Follows Section 5.5 of the RIPE IPv4 Address Policy at <http://www.ripe.net/ripe/docs/ripe-530>
- The recipient entity:
  - will be subject to current RIPE policies
  - must demonstrate need
  - Cannot reallocate to another LIR within 24 months
- Transferred blocks are treated no differently than blocks assigned directly by RIPE

# Steps to a Successful IPv4 Transfer

- Transactions usually under NDA
- Review IPv4 block information as requested and received
- Prepare and submit (best) offer for a block you wish to acquire
- Negotiate purchase: price, timing, conditions
- At least two Agreements:
  - an Asset Purchase Agreement (terms and conditions)
  - and an Escrow Agreement (ensures payment to seller)
- Fund the escrow account
- Complete needs justification
- Seller provides affidavit to destination RIR to authorize the transfer
- After needs justification, destination RIR updates registry similar to ERX transfer process
- IP's routed and announced
- Funds released from escrow

# Pricing

- Two Public Price Points

<b>Nortel/Microsoft Sale</b>	<b>\$11.25/IP</b>
<b>Cerner/Borders Sale</b>	<b>\$12.00/IP</b>

- These are both bankruptcy sales, which are believed to draw a slight premium
- Our opinion is that these are but two price points and prospective buyers should approach the market with the belief that their best offer may be satisfactory for a given seller at a given point in time
- IPv4 Market Group is under non disclosure regarding the specific prices of the sales we have facilitated
- With multiple buyer / seller agreements, we are seeing stable levels at over \$10/IP US for blocks of /18 and larger