Registration Services

Leslie Nobile, Director

RSD Team

Principal Resource Analyst

Cathy Clements

Technical Specialist

David Huberman

Senior Resource Analyst

Jon Worley

Resource Analysts

Doreen Marraffa
Sue Dobert
Mike Pappano
Lisa Liedel
Chad Eastman

Current Focus

- ARIN On-line
  - Creating "user stories" and features for future releases
  - Processing Q&A, POCs, Orgs
  - Developing new processes and procedures
- Process Enhancements
- Resource Revocation and Reclamation
- Legacy RSA
- And business as usual of course…

Process Enhancements

- Stringent data verification procedures
  - New Orgs vetted up front, Org mods vetted every 12 months
- "Officer Attestation"
- Peer review of IPv4 resource requests
- Checking utilization on all past allocations
- Asking about future IPv4 and IPv6 plans on IPv4 requests
- Fraud detection and follow up

Recovered Resources

Jan 1, 2005 – Mar 31, 2010

	/16 equivalents	ASNs
*Returned	429.33	1,342
*Revoked	87.83	4,427
*Reclaimed	2.04	9

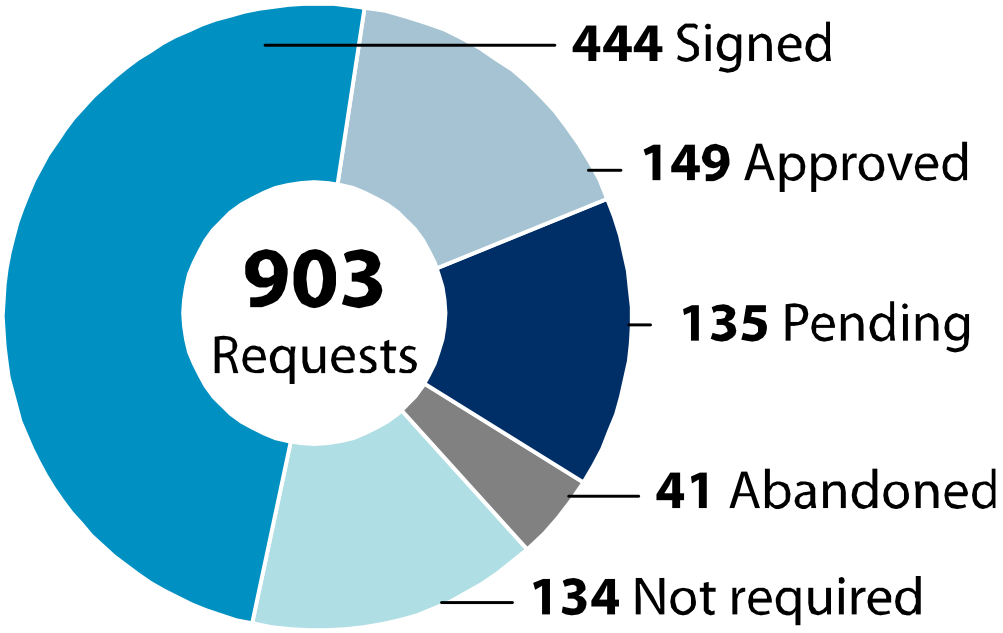
*Returned = Voluntarily by registrant

*Revoked = For non-payment

*Reclaimed = For fraud, misappropriation, or business dissolution

Legacy RSA Status

Legacy RSA requests as of April 2010.



Total Resources and Organizations covered under Legacy RSA:

- **ASNs** 176
- **IPv4 Blocks** 1,215 (6.49 /8 equivalents)
- **OrgIDs** 444

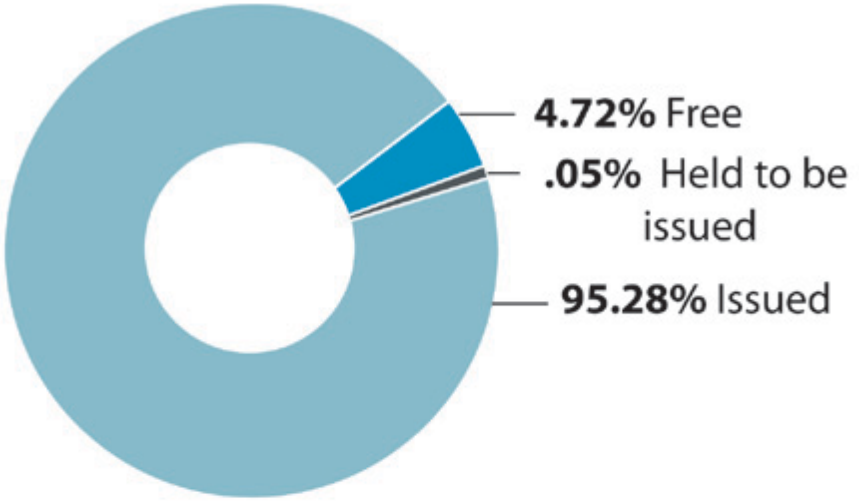
IPv4 Depletion and IPv6 Uptake

New /8s from IANA

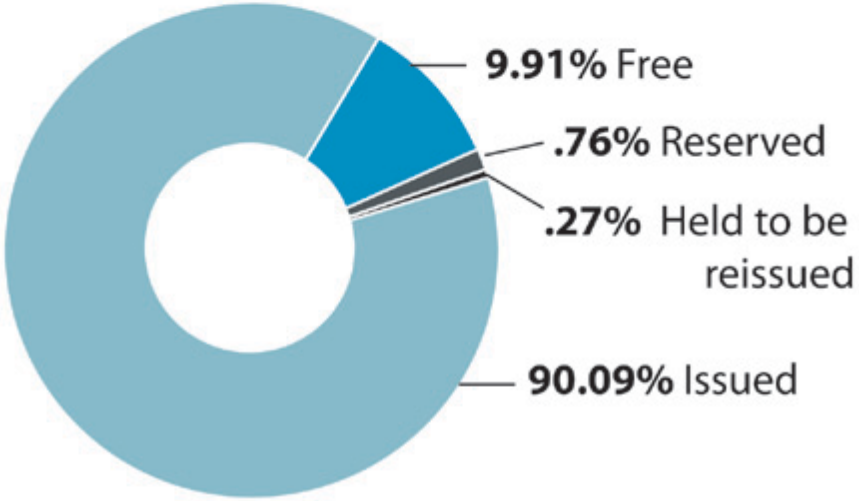
- Received 50/8 and 107/8 in Feb 2010
  - Will begin issuing in near future
- MERIT conducted testing to "investigate the properties of unwanted traffic being sent to destinations in these ranges"
  - Results to be published at http://software.merit.edu/darknet/

Current Inventory

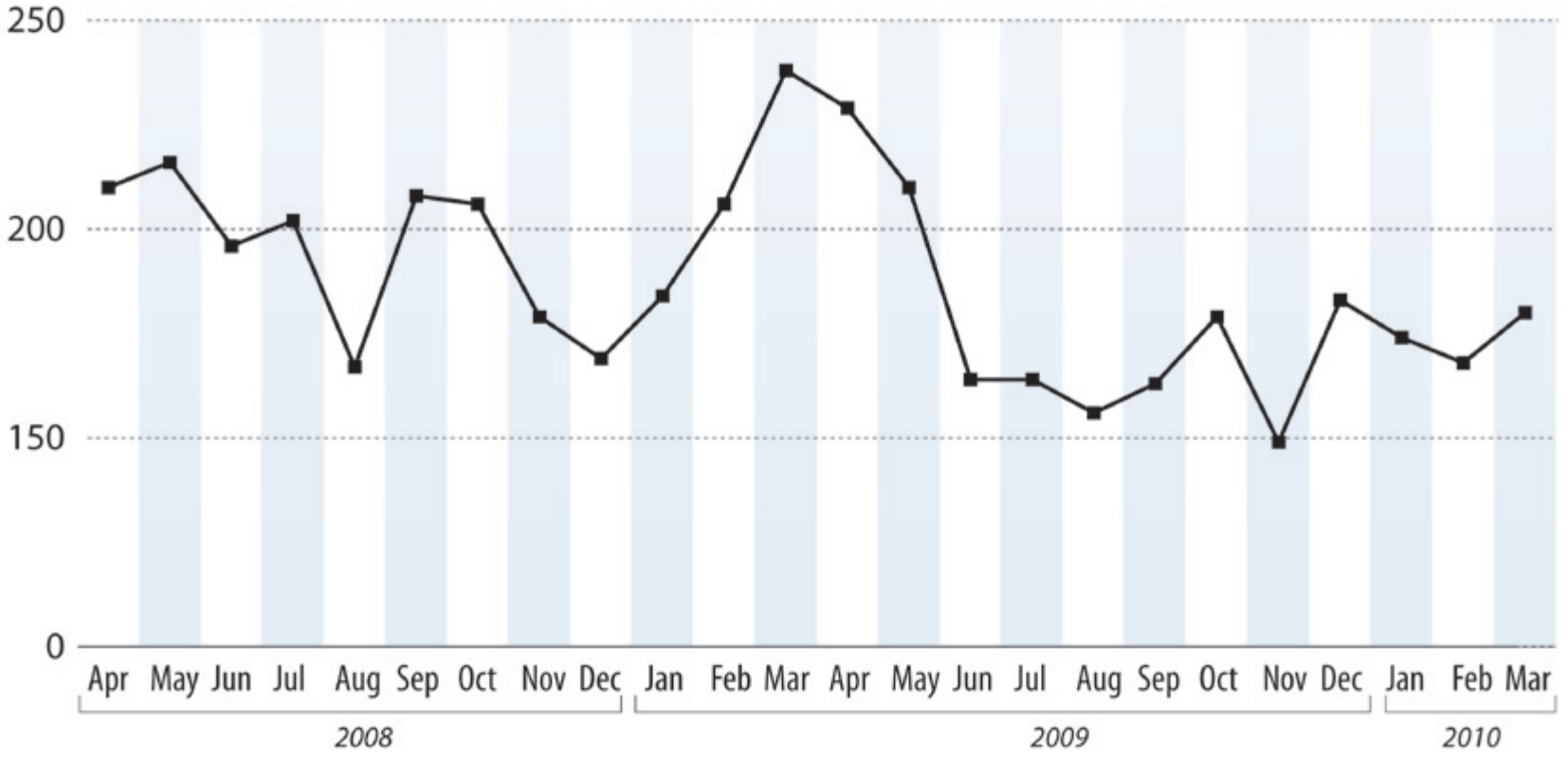
73 Legacy /8s maintained by ARIN



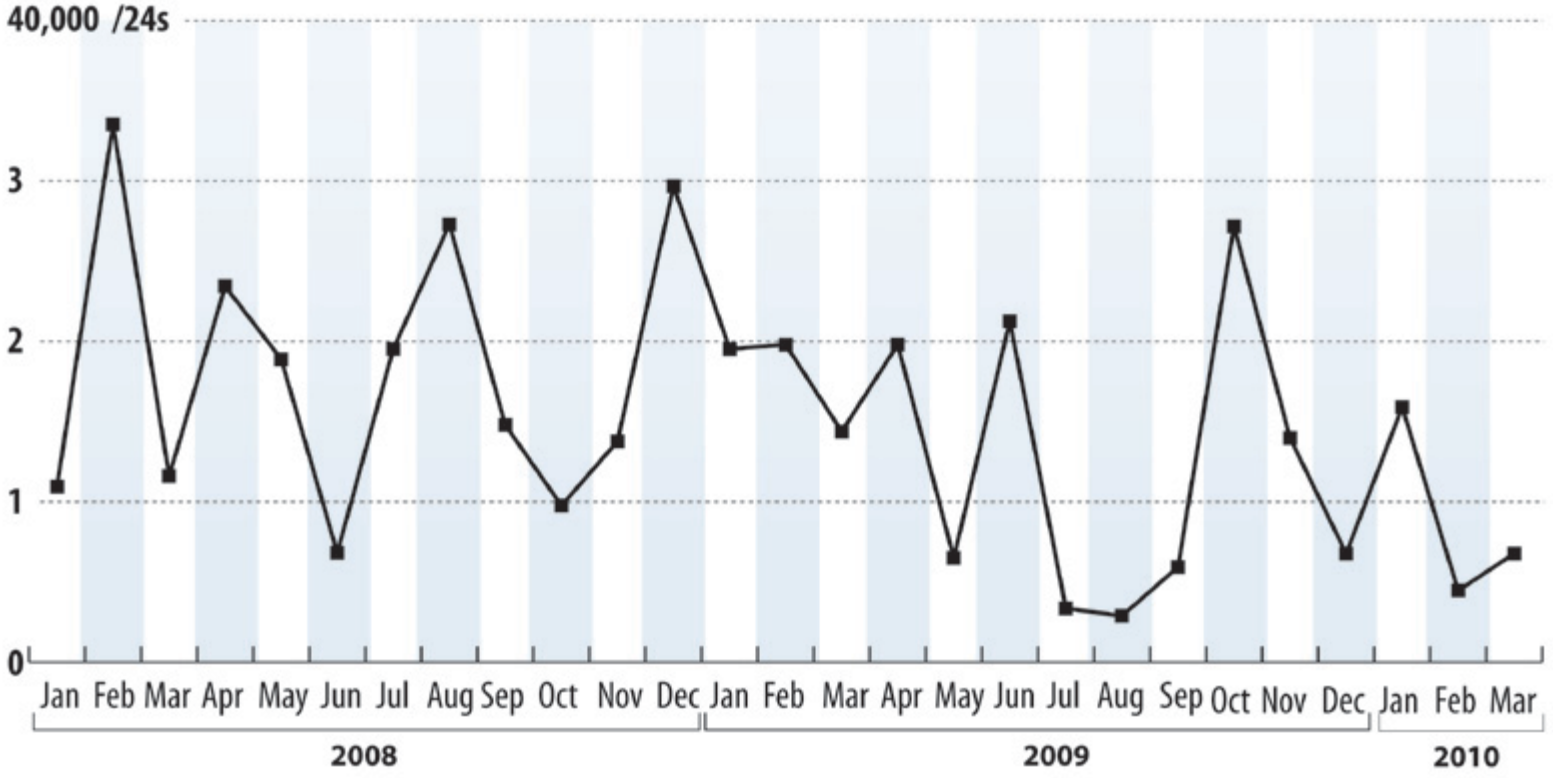
33 Non-Legacy /8s issued to ARIN



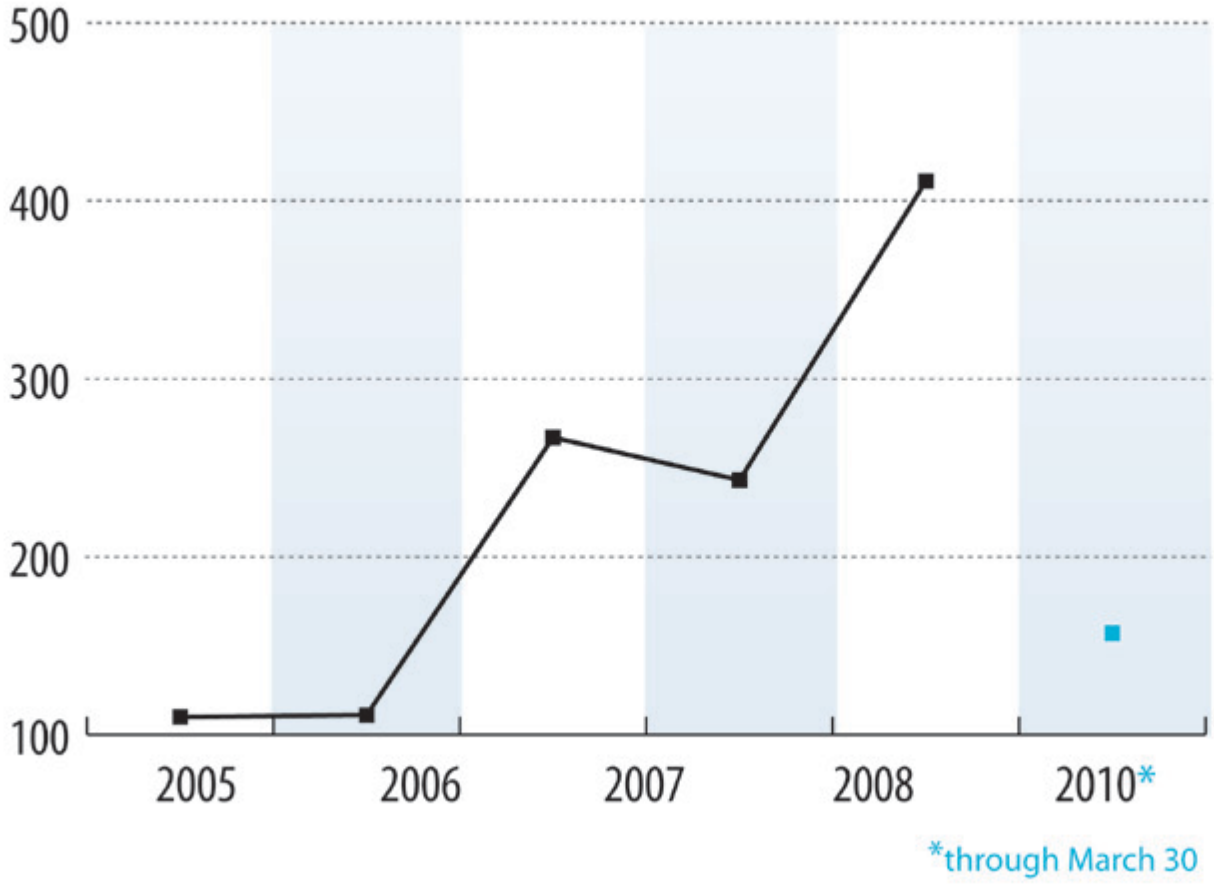
IPv4 Requests Received



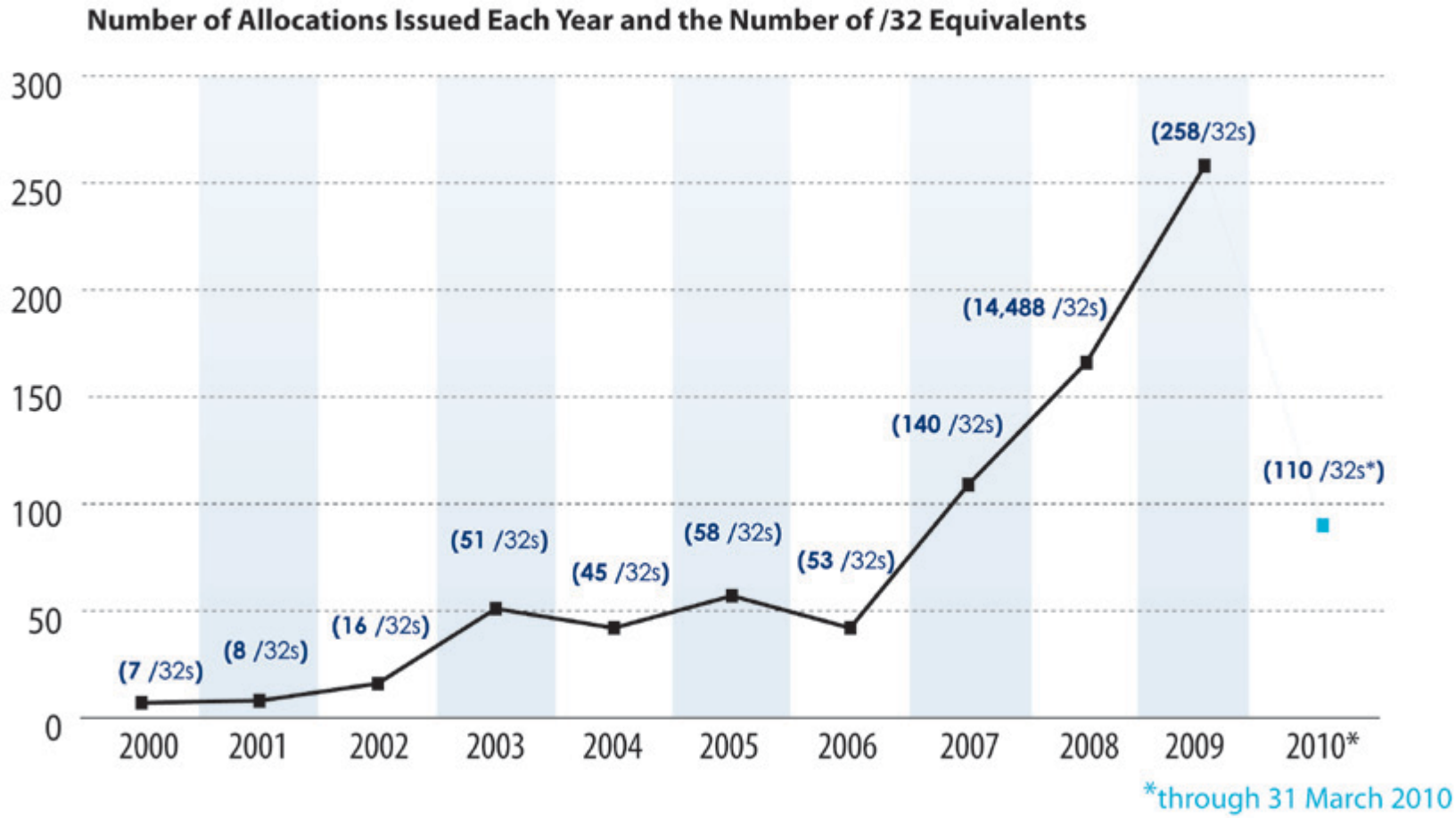
IPv4 Addresses Issued (/24s)



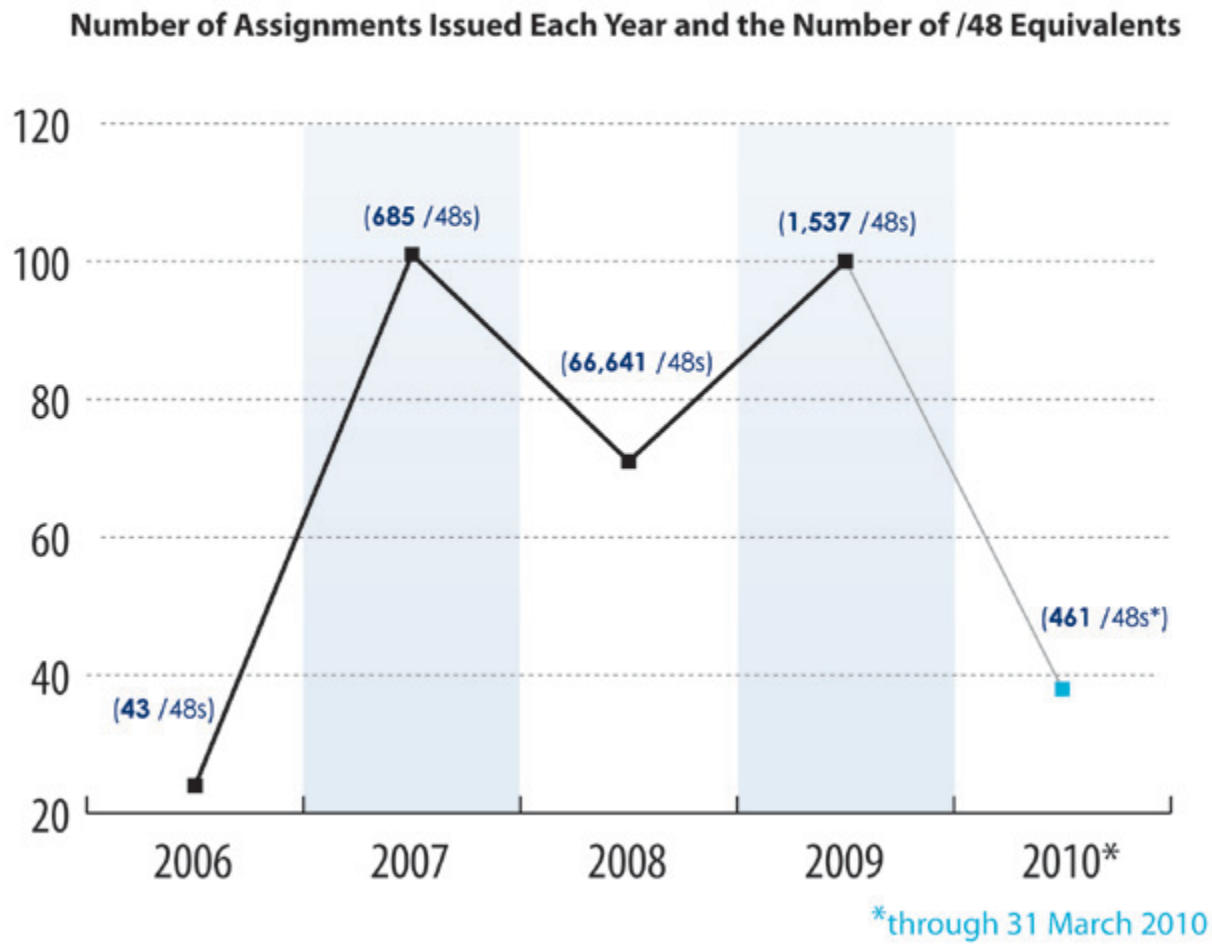
IPv6 Requests Received



IPv6 Allocations Issued (/32s)

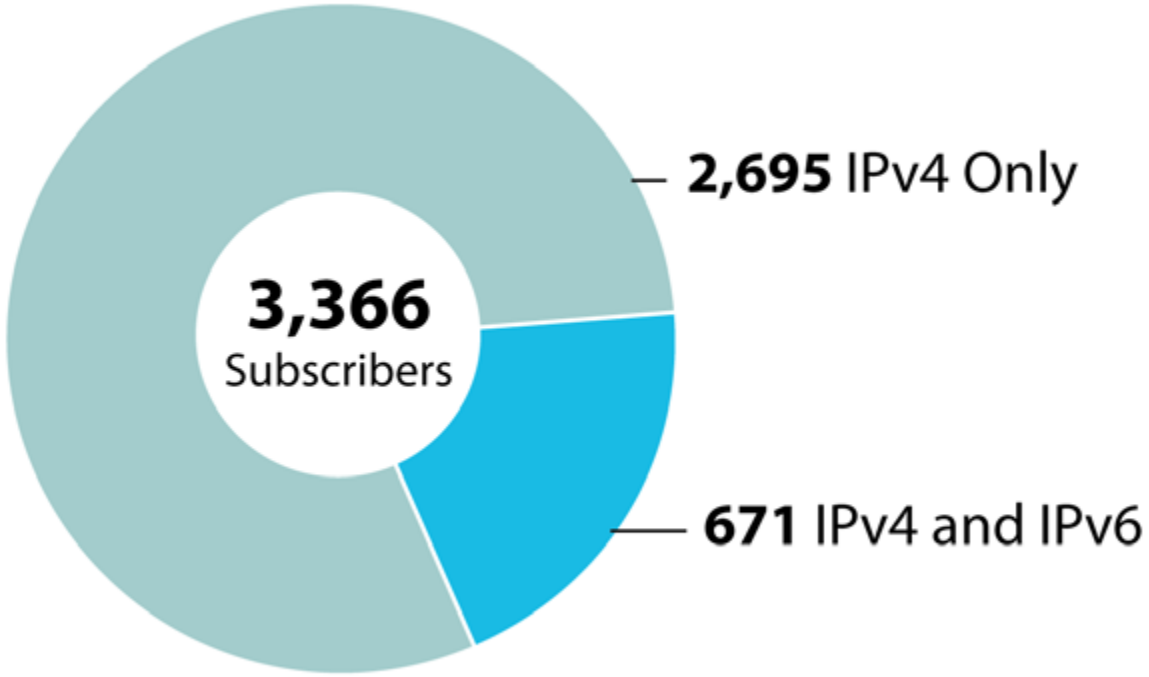


IPv6 Assignments Issued



IPv4 vs IPv6 Subscribers

- 3,366 IPv4 ISP subscribers today
  - 2,295 (80%) do not have IPv6 allocations



**At our current allocation rate (~30 new IPv6 subscribers per month), it will take over 7 years for every v4 ISP to get v6