



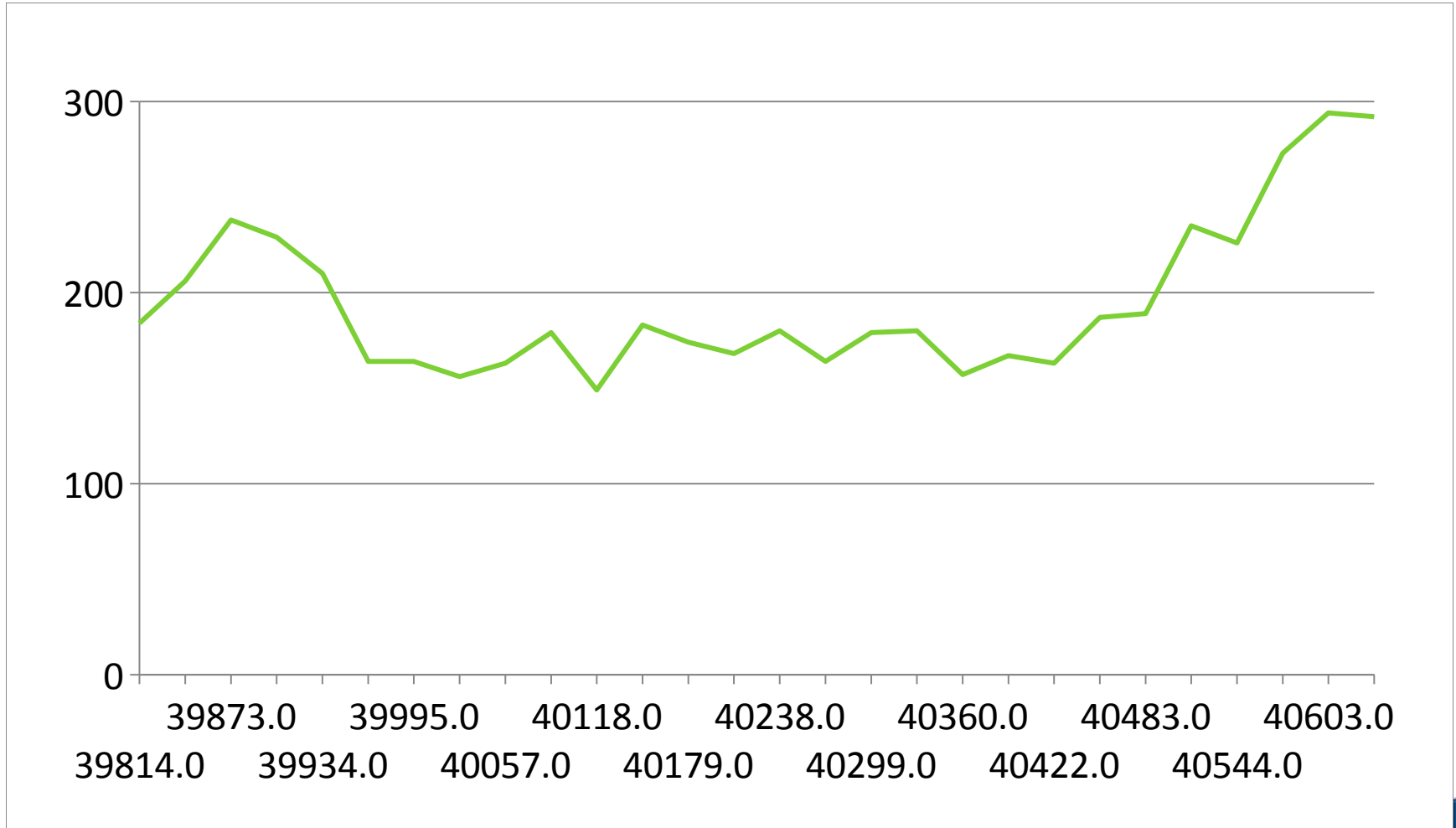
ARIN Update

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AfriNIC 14

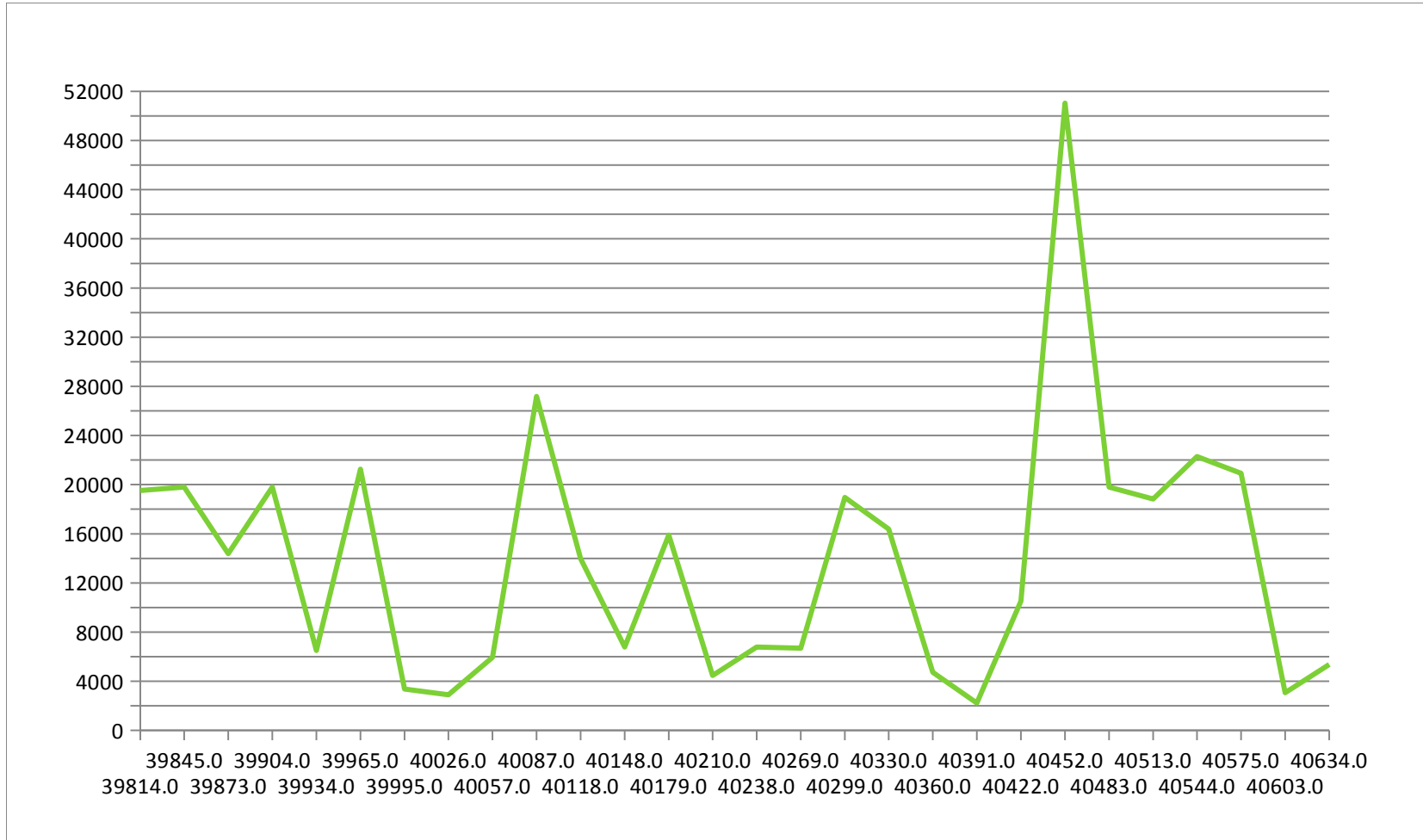
2011 Focus

- **IPv4 Depletion & IPv6 Uptake**
 - Developing, adapting, and improving processes and procedures
 - Working hard to keep pace with increased v6 requests and more complex v4 and transfer requests
 - Continue IPv6 outreach
- **Implementation of new policies and services**
- **Continue development and integration of web-based system (ARIN Online)**
- **DNSSEC and RPKI deployment**
- **Continue participation in Internet Governance forums**

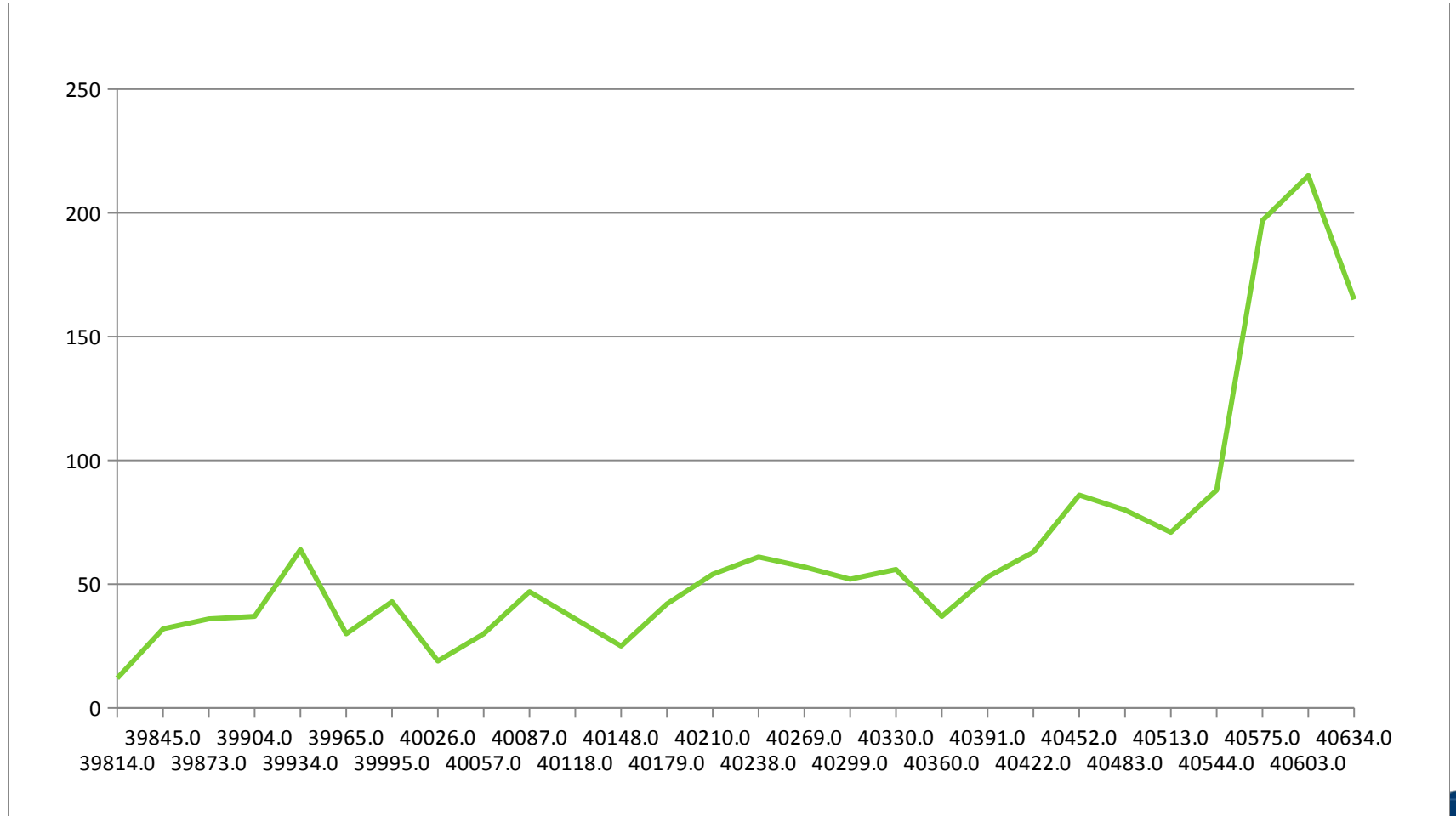
IPv4 Requests Received



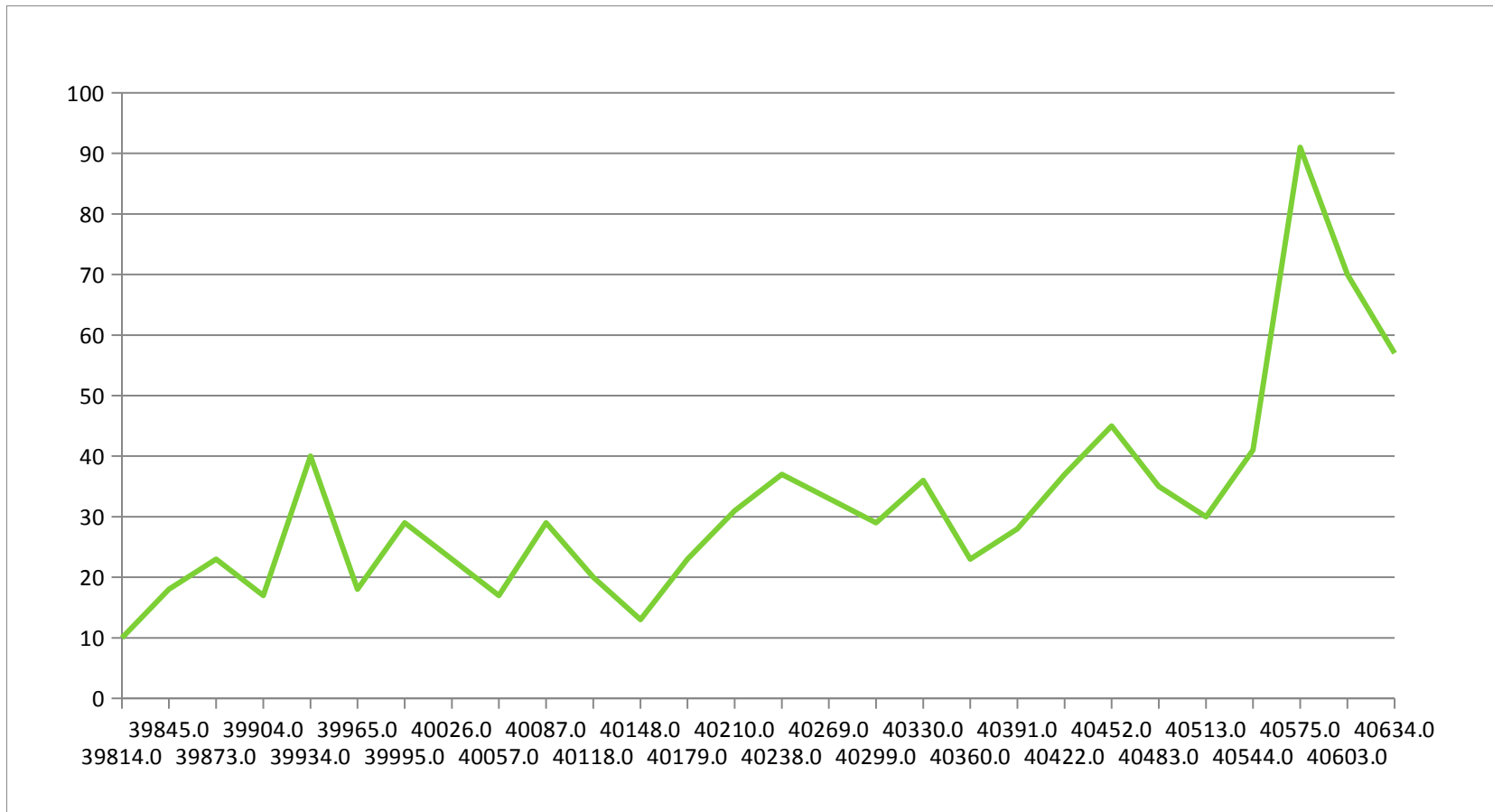
IPv4 Addresses Issued (in /24s)



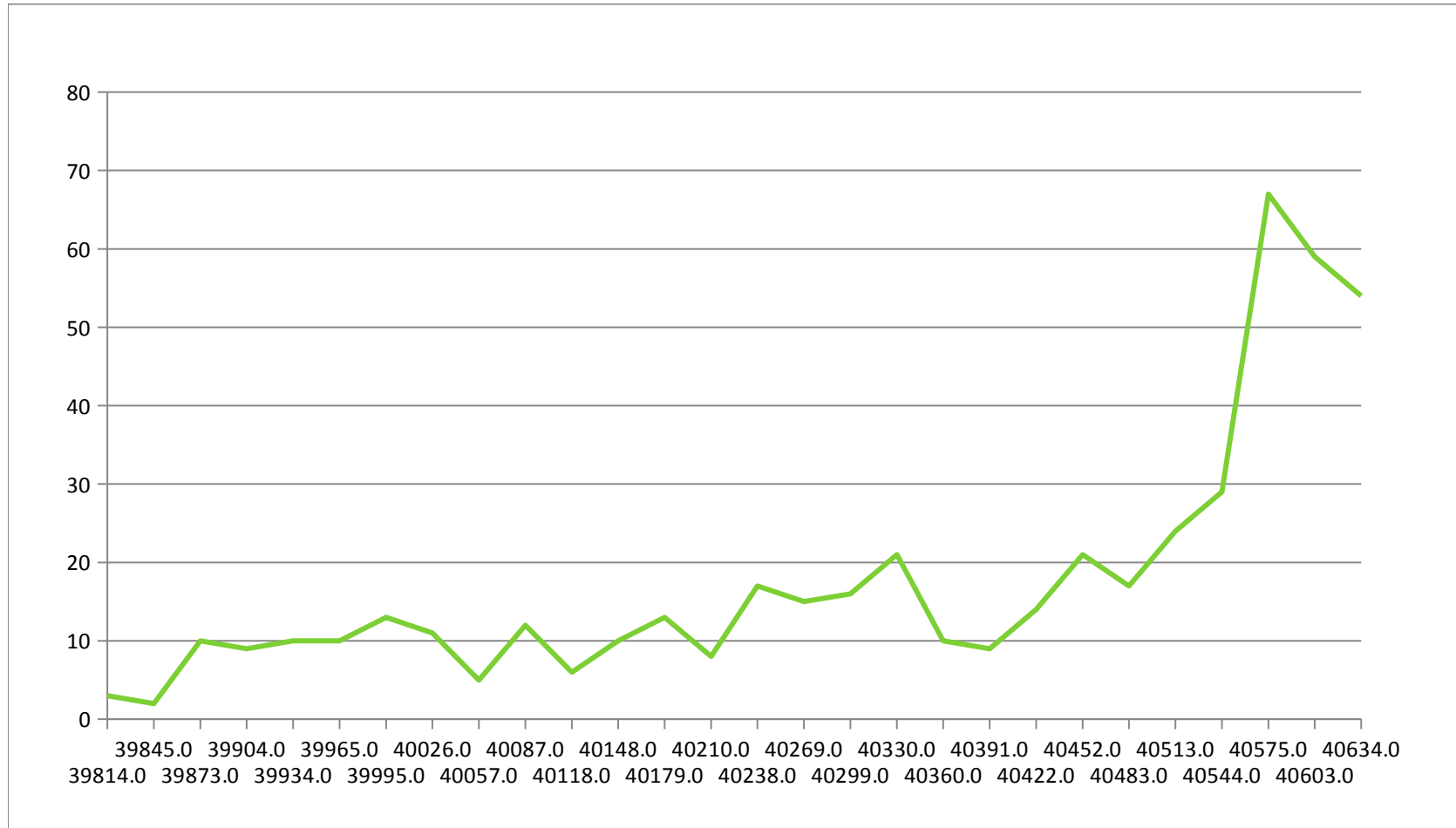
IPv6 Requests Received



Number of IPv6 Allocations Issued to ISPs



Number of IPv6 Assignments Issued to End-users



Recently Implemented Policies

ARIN-2010-1: Waiting List for Unmet IPv4 Requests

- “ARIN will make each allocation and assignment as a single continuous range of addresses”, or, you can wait in line.
- Unused space must be returned to ARIN

ARIN-2010-12: IPv6 Subsequent Allocation

- “Subsequent allocations will also be considered for deployments that cannot be accommodated by, nor were accounted for, under the initial allocation.” Eg. 6rd.

ARIN-2010-8: Rework of IPv6 assignment criteria

- Nibble boundary assignments based on site counts. Starts with /48 for one to twelve sites, then /44 for 13-192 sites, etc.
- “A site is a discrete location that is part of an organization’s network.”

Draft Policy Discussions

Awaiting Board review:

ARIN-2011-3: Better IPv6 Allocations for ISPs

- Enable ISPs to request larger blocks of IPv6 space on nibble boundaries

ARIN-2011-4: Reserved Pool for Critical Infrastructure

- Reserves an IPv4 /16 for critical infrastructure

ARIN-2011-5: Shared Transition Space for IPv4 Address Extension

- Allocates an IPv4 /10 for ISPs to share (eg. NAT444, like RFC 1918 address space)

ARIN-2011-6: Returned IPv4 Addresses

- Instructs ARIN to quickly recycle address space in the ARIN region

Draft Policy Discussions (cont.)

Text being revised by ARIN (AC):

ARIN-2011-1: Globally Coordinated Transfer

- Allows needs based transfers to/from ARIN region (inter-RIR)

And, about 15 new proposals

<https://www.arin.net/policy/proposals/index.html>

Public Facing Development Efforts

- ARIN Online development progressing steadily – major release in March 2011
- DNSSEC
 - Interfaces to allow insertion of DS implemented
 - ARIN has signed all /8s it administers
- RPKI
 - Rolling out production service in Summer of 2011*
 - Pilot available at <http://rpki-pilot.arin.net>

*Pending Board Approval

2011 Outreach Events

Ongoing participation in various local, national and international forums, focus on IPv4 depletion and IPv6 adoption. Events include:

- CES
- Pacific Telecom Conference
- Cable Labs
- Joint Techs / Internet2
- ICT roadshow events
- TTVN
- IT Roadmap
- Game Developers Conference
- Enterprise Connect
- Satellite 2011
- Rocky Mountain IPv6 Summit
- Interop
- CANTO
- FOSE
- HostingCON



Upcoming ARIN Meetings

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– Second level

• Third level

– Fourth level

» Fifth level



Network



Network



