



IANA Status Update

Montréal, CA

11-Apr-2006

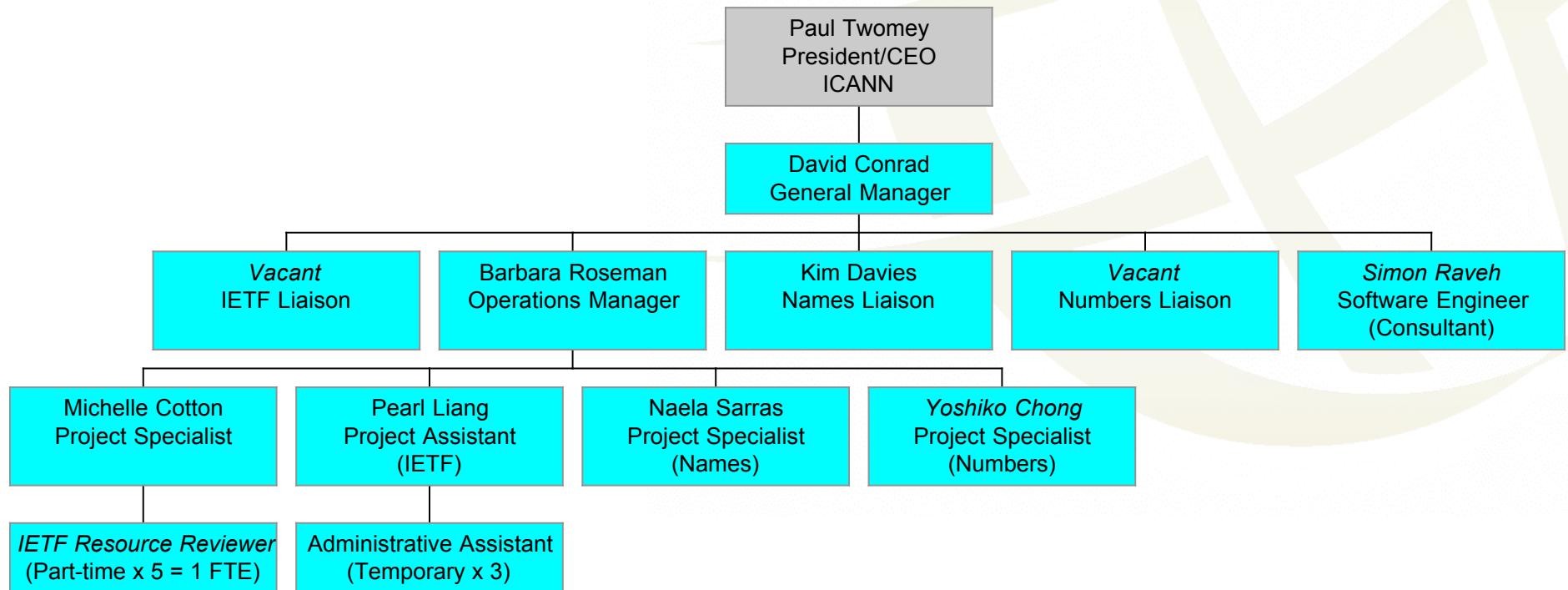
David Conrad
General Manager, IANA
ICANN
david.conrad@icann.org

Overview

- Current Statistics
- Vancouver ICANN Meeting Issues Status
- IANA Projects
- Next Meeting Goals

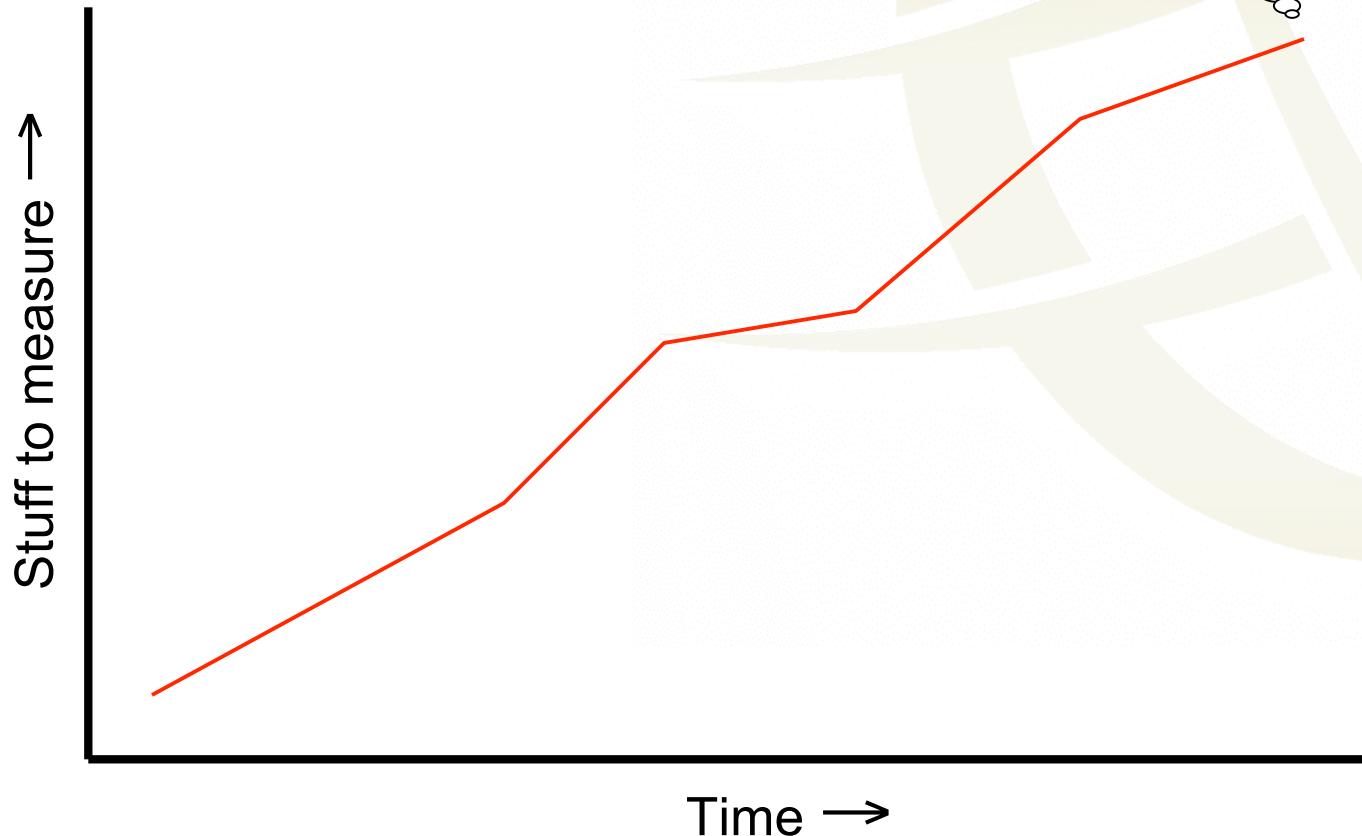


IANA Organization



Generic Performance Statistics

Then



Generic Performance Statistics

Real Soon Now



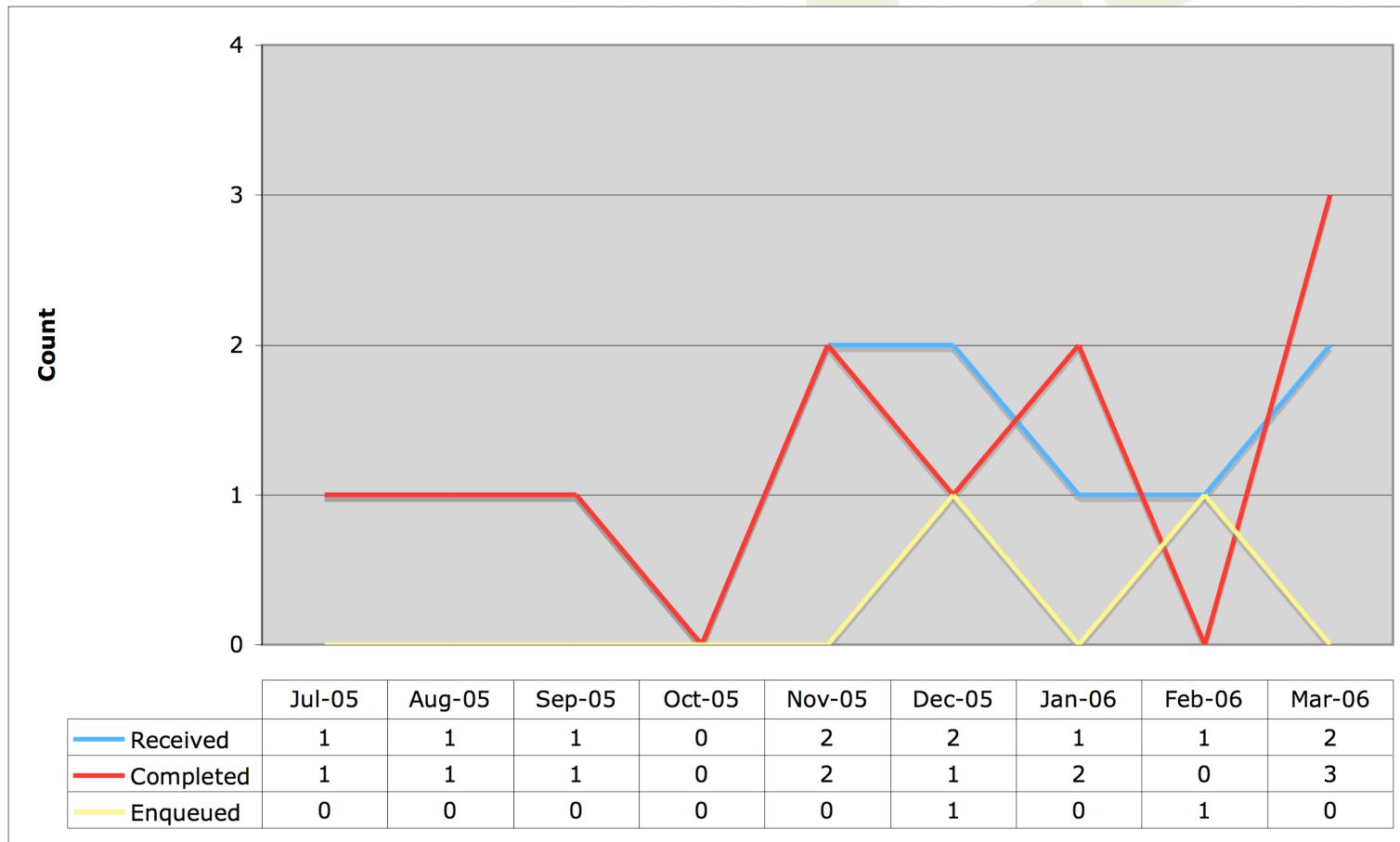
RIR Statistics

BORING!!!

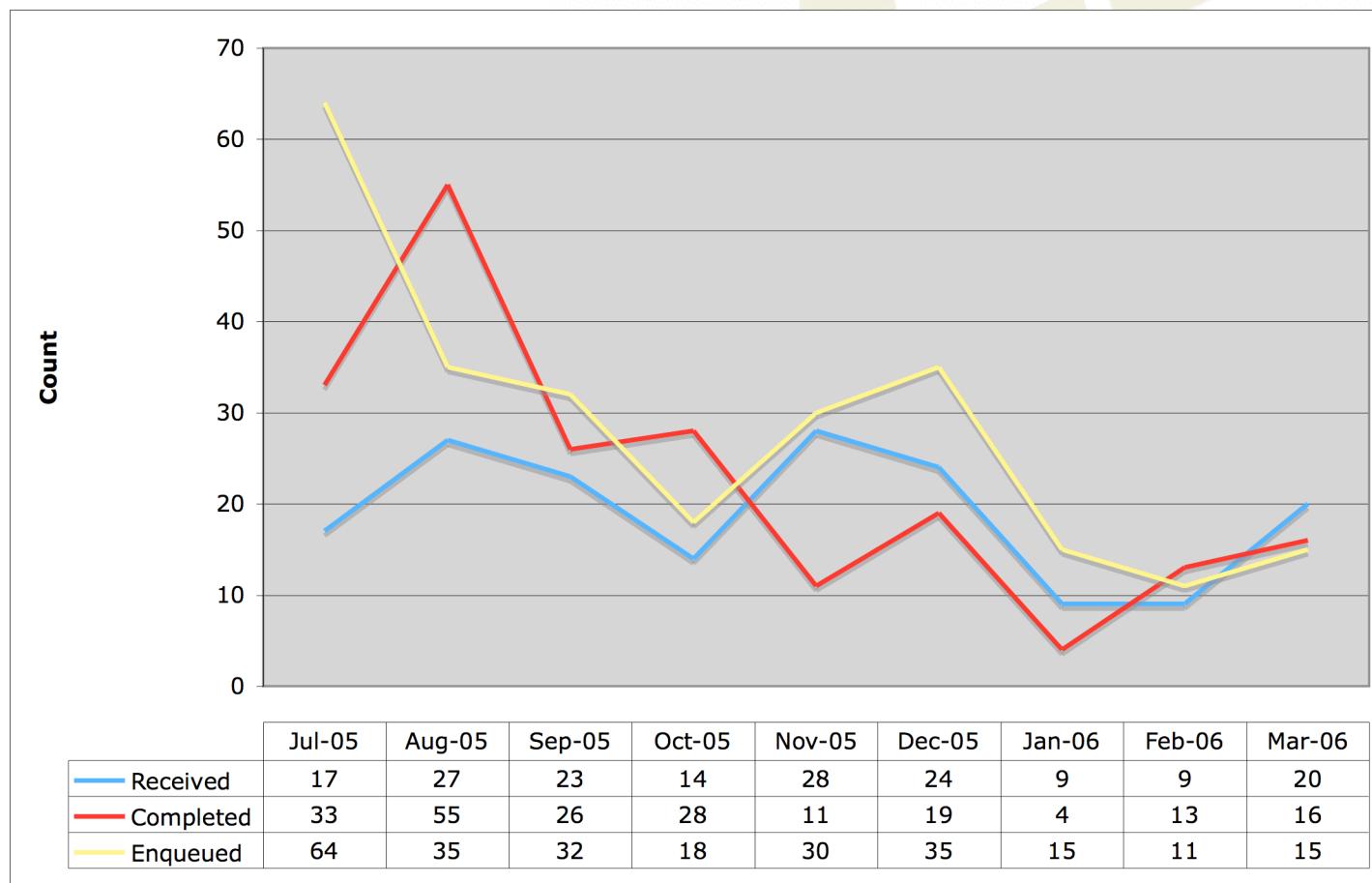


Cumulative RIR Requests

Requests/Month

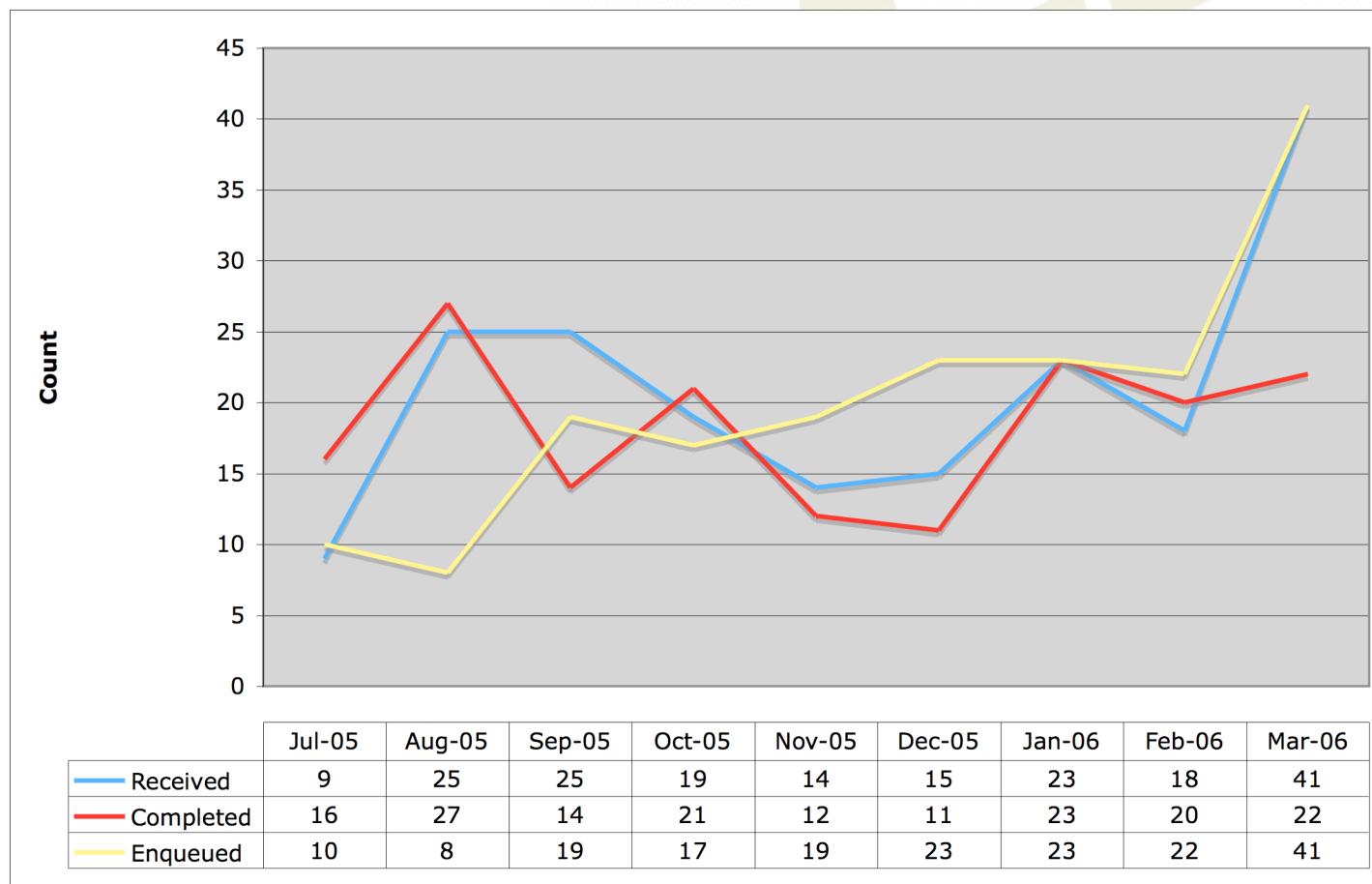


Root Zone Management Requests/Month



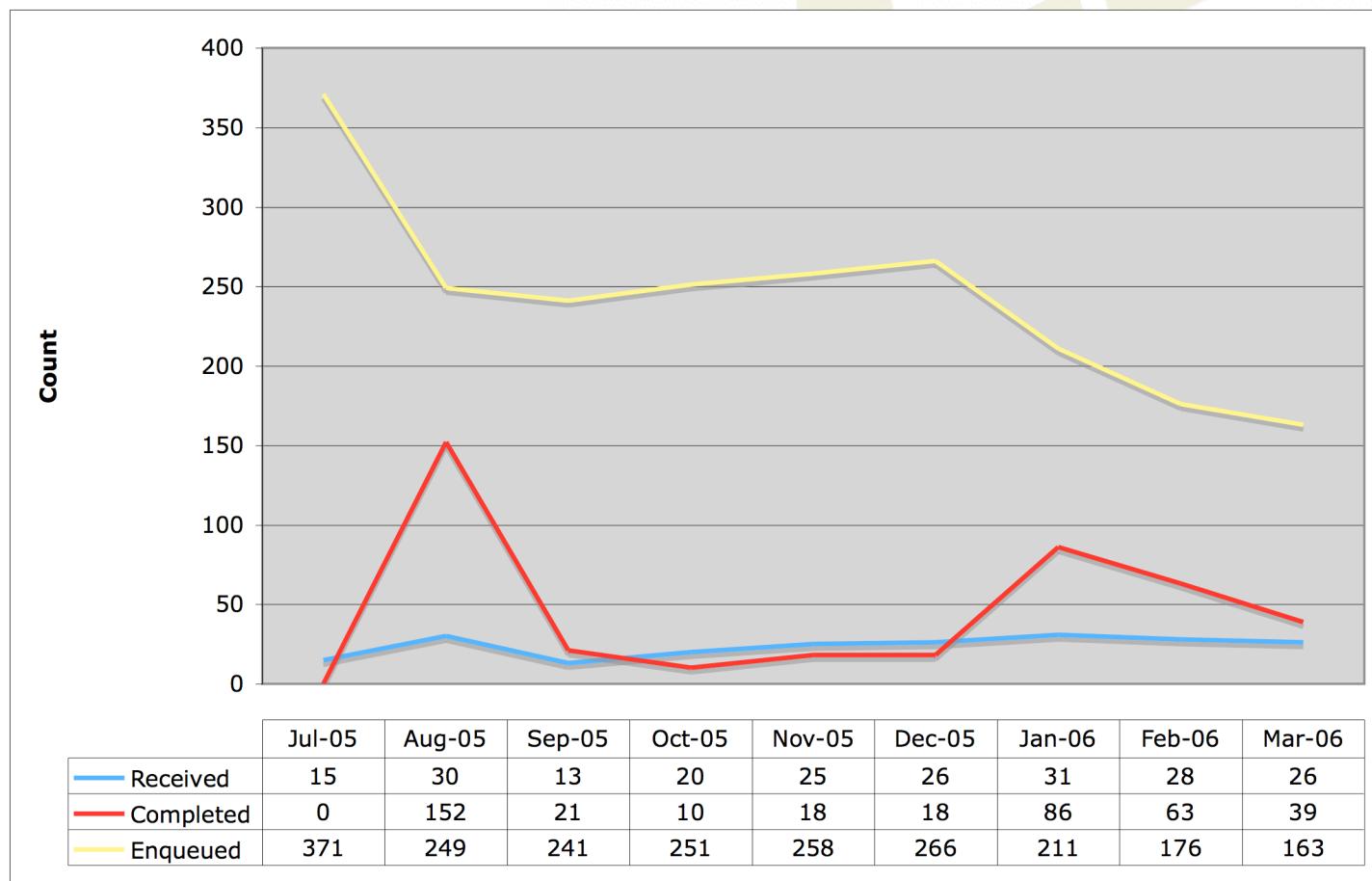
Internet Drafts

Drafts Reviewed/Month



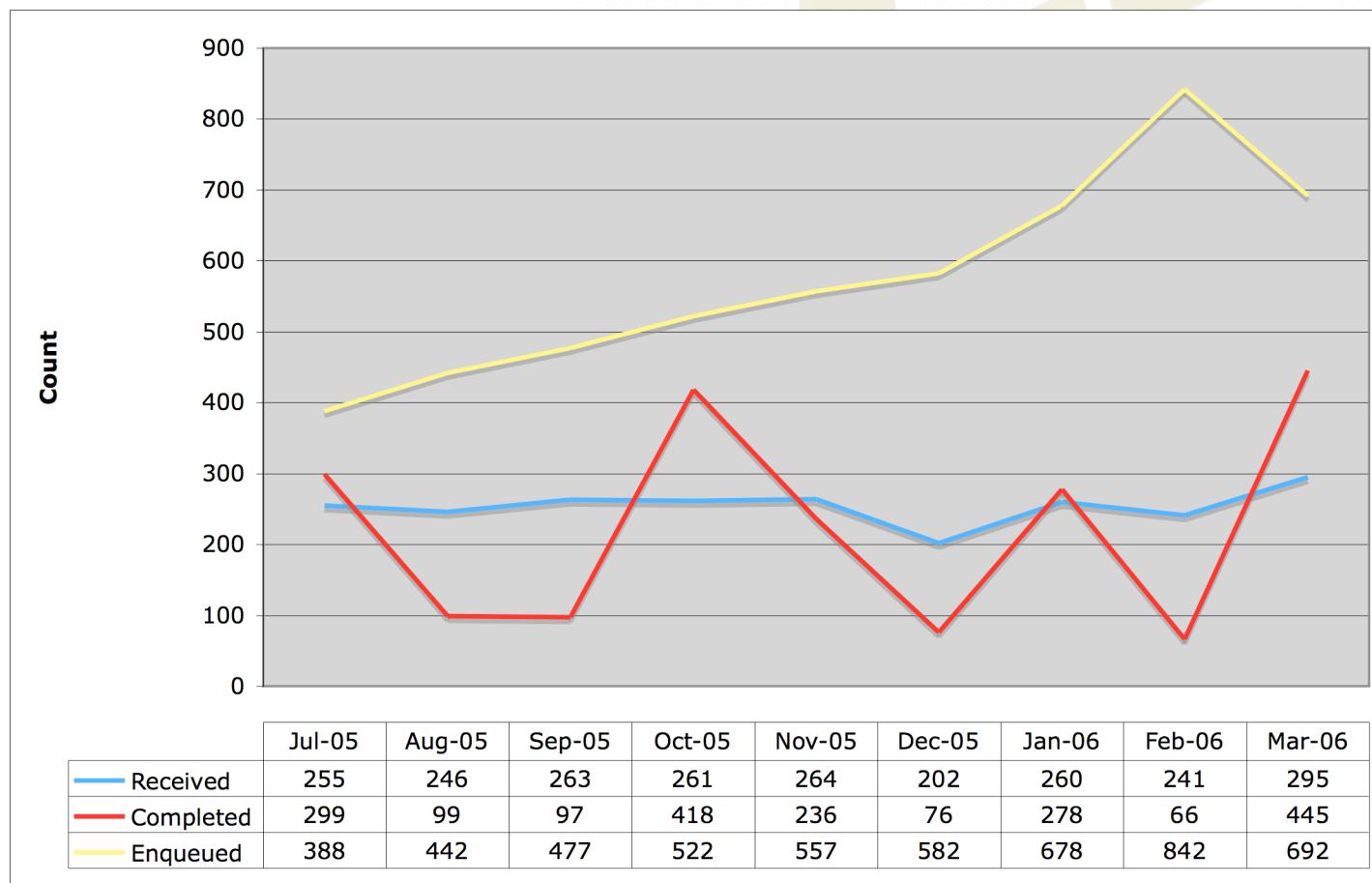
Port Requests

Requests/Month



Private Enterprise Numbers

Requests/Month



Vancouver ICANN Meeting Issues Status



Vancouver Issue	Current Status	Comment
Consistent mgmt focus/prioritization	Resolved	Not an issue since before I started
Understaffing	Mostly done	2-3 FTE light. Hiring is difficult
Infrastructure lacking	Improving	Understaffing related, being resolved
Ticketing system	Resolved	Historical data migration would be nice
Multiple databases	Still an issue	Automation will address
Complicated processes	Improving	Simplification underway but constrained
Few external processes docs	Mostly done	Documents currently inconsistent
Process exceptions	Still an issue	Not easily resolvable
Large backlog	Mostly done	Target resolution date: شکارم
Lack of automation	Improving	Processes being automated
Customer comm. difficulty	Improving	New web page should help
Data inconsistently collected	Mostly done	RT helps, automation will help w/ detail
No tracked quality metrics	Mostly done	Reliable baseline established

IANA Projects

- IANA currently has a large number of projects either being considered or being implemented
 - During implementation, some functions may continue to be sub-optimal
 - Working as fast as we can to address this
- Improving IANA performance, responsiveness, and consistency is the goal

Major IANA Projects

Project	Status	Availability
24x7x52 Availability	Vendor selected, waiting on infrastructure	Apr, 2006
Archiving old data	Data scanned, not yet OCR'd	May, 2006
X.509 addressing trust anchor	Participating in meetings, evaluating position	N/A
Automated DNS server verification	Defining requirements, investigating software	Jun, 2006
DNSSEC infrastructure	Defining requirements, evaluating software	Jul, 2006
Root zone automation	Software being customized	May, 2006
IPv4 Registry cleanup	Modification confirmation required	Jun, 2006
Reporting	Software being developed	Jun, 2006
Ticket migration	Old data being migrated	Apr, 2006
Detailed statistics collection	Defining requirements and workflows	Jun, 2006
Customer survey	Vendor selected, final approval required	Jun, 2006
IANA Web Redesign	First Draft complete, soliciting input	Mar, 2006
PEN Automation	Alpha test starting	Apr, 2006

Draft Proposed IANA Home Page

<http://test.iana.org>

A screenshot of a web browser displaying the IANA Home Page. The page has a light blue header bar with the title "IANA - Home Page" and a URL "http://test.iana.org/index.shtml". Below the header is a sub-header "IANA - Home Page". The main content area starts with a "Welcome." message and the IANA logo. The page is organized into three main sections: "Domain Names" (yellow background), "Number Resources" (orange background), and "Protocol Assignments" (green background). Each section contains an icon of a wrench and a brief description of IANA's role in that area. Below these sections is a search bar with the placeholder "Search The Site" and a button labeled "ICANN Search". At the bottom of the page, there is a footer bar with the text "The Internet Assigned Numbers Authority (IANA) is an operating unit of ICANN – Contact us".

IANA – Home Page

http://test.iana.org/index.shtml

IANA – Home Page

Welcome.

iana
The Internet Assigned Numbers Authority

The Internet Assigned Numbers Authority (IANA) is responsible for the global coordination of the DNS Root, IP Addressing, and other Internet Protocol Resources. Our site is organized into three primary navigational tracks:

Domain Names

IANA manages the DNS Root Zone (assignments of ccTLDs and gTLDs), as well as the .int registry, and the .arpa zone.

- Root Zone Management
- .int Registry
- .arpa Registry
- IDN Practices Repository

Number Resources

IANA coordinates the global IP and AS number space, and allocates these to Regional Internet Registries.

- IP Address Allocation
- AS Number Allocation
- Do you think you are getting attacked by us?

Protocol Assignments

IANA maintains the central repository for protocol assignment registries used in many internet protocols.

- Protocol Registry
- Apply for assignment

Search The Site

Enter a domain name, IP Address, RFC Number or keywords to quickly find the relevant information on the IANA site.

About - Jobs - Contact Us - Announcements

The Internet Assigned Numbers Authority (IANA) is an operating unit of ICANN – Contact us

Next Meeting Goals

1. Hiring 2 additional staff
 - IETF Liaison, Numbers Liaison
2. Put automation projects into (limited) production
3. Clear current request backlogs
4. Update and publicly document IANA resource allocation related processes
5. Publish IANA resource allocation performance data publicly
6. Complete migration of historical ticket data
7. Publish **proposed** IANA web site for comment

Questions?

