

IANA Update

Naela Sarras

AfriNIC Meeting

Dec '05

Cairo, Egypt



Overview

- Introduction
- Numbers
- Root Zone
- Observations
- Summary

Introduction

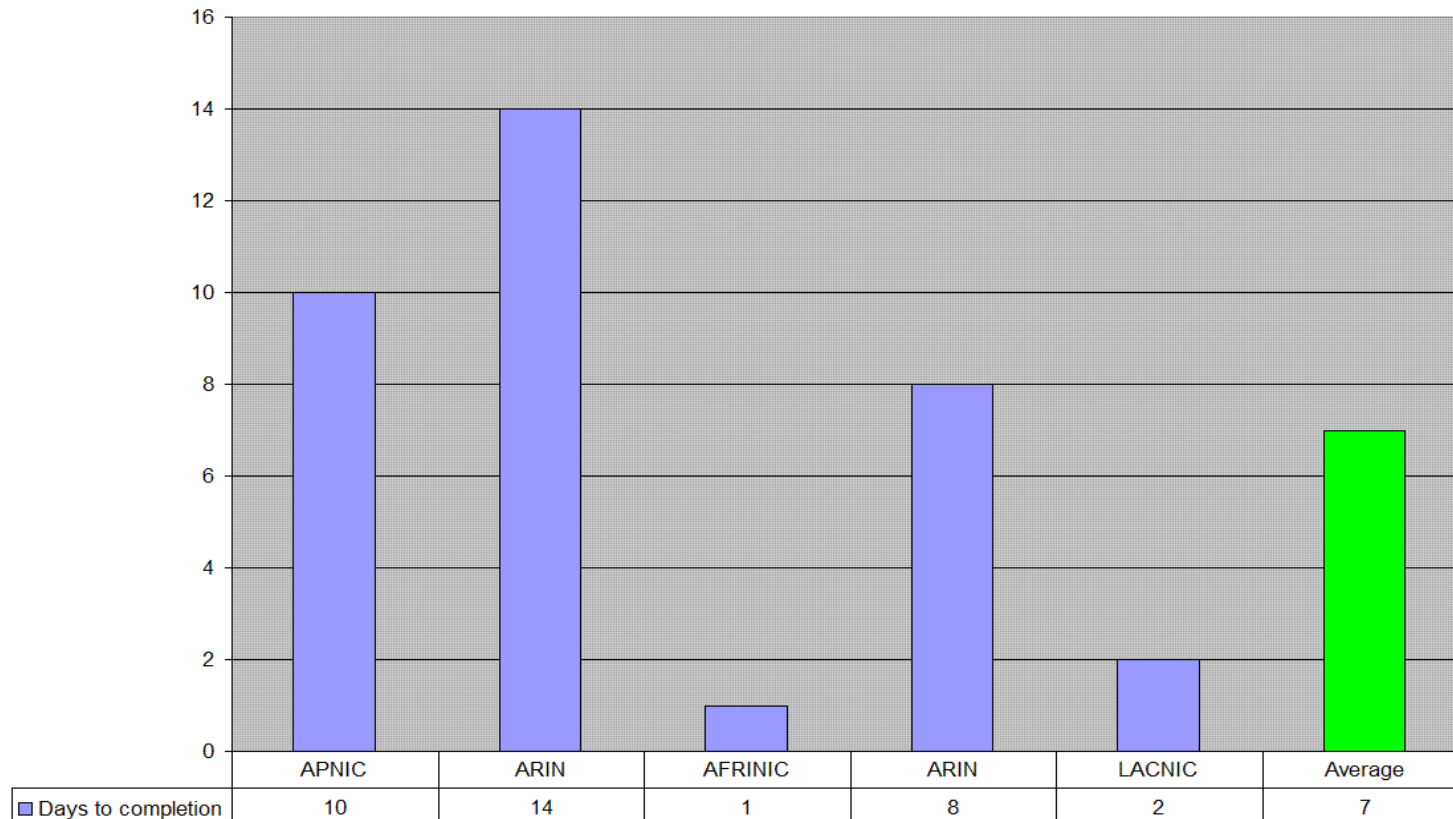
- IANA: “We’re from IANA, we’re here to help”
 - ◆ Bringing you Names, Numbers, and Resources since 1972(ish)
- New staff at the IANA
 - ◆ David Conrad (IANA GM), Kim Davies (Names Liaison), Sarah Trehern (Project Specialist)
- Not new staff at the IANA
 - ◆ Barbara Roseman (IANA Operations Manager), Michelle Cotton (Project Specialist), Naela Sarras (Project Specialist), Pearl Liang (Project Specialist)
 - Recent improvements in IANA are due to the very hard work of Barbara and her staff

Statistics for 2005 (to date)

- Data quality mediocre: 75% confidence level
 - ◆ Inconsistent collection, lack of clear data standards
 - ◆ Data cleaning and (future) collection a high priority
- What follows is mostly a "best guess"
 - ◆ Statistics are mostly correct
 - ◆ Updated graphs will be provided as soon as data has been fully collected and analyzed.
- Some graphs have trend lines to hopefully provide a bit of clarity (linear regressions courtesy of Microsoft Excel)

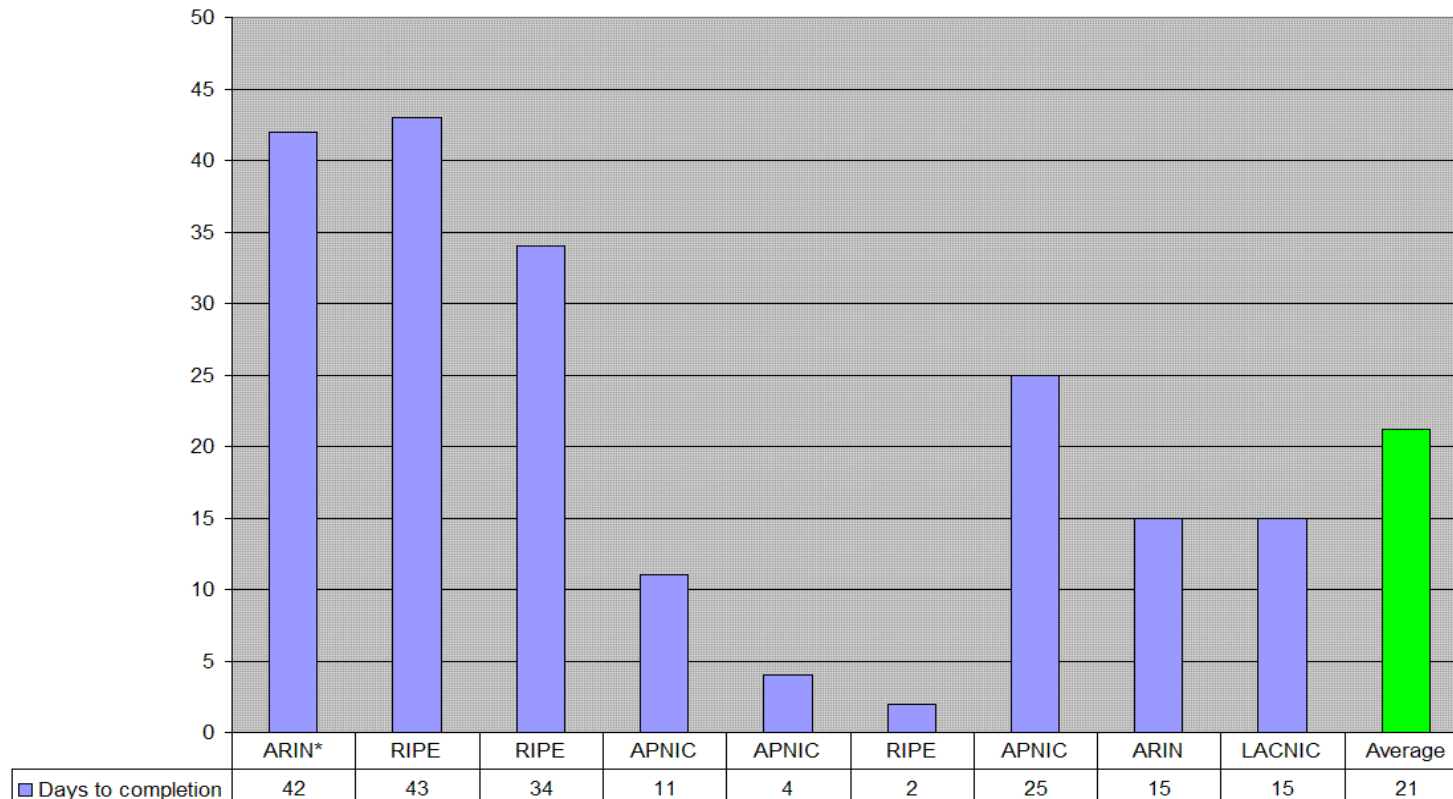
Numbers (IPv4)

Time needed to complete RIR requests for IPv4 allocations (2005 to date)



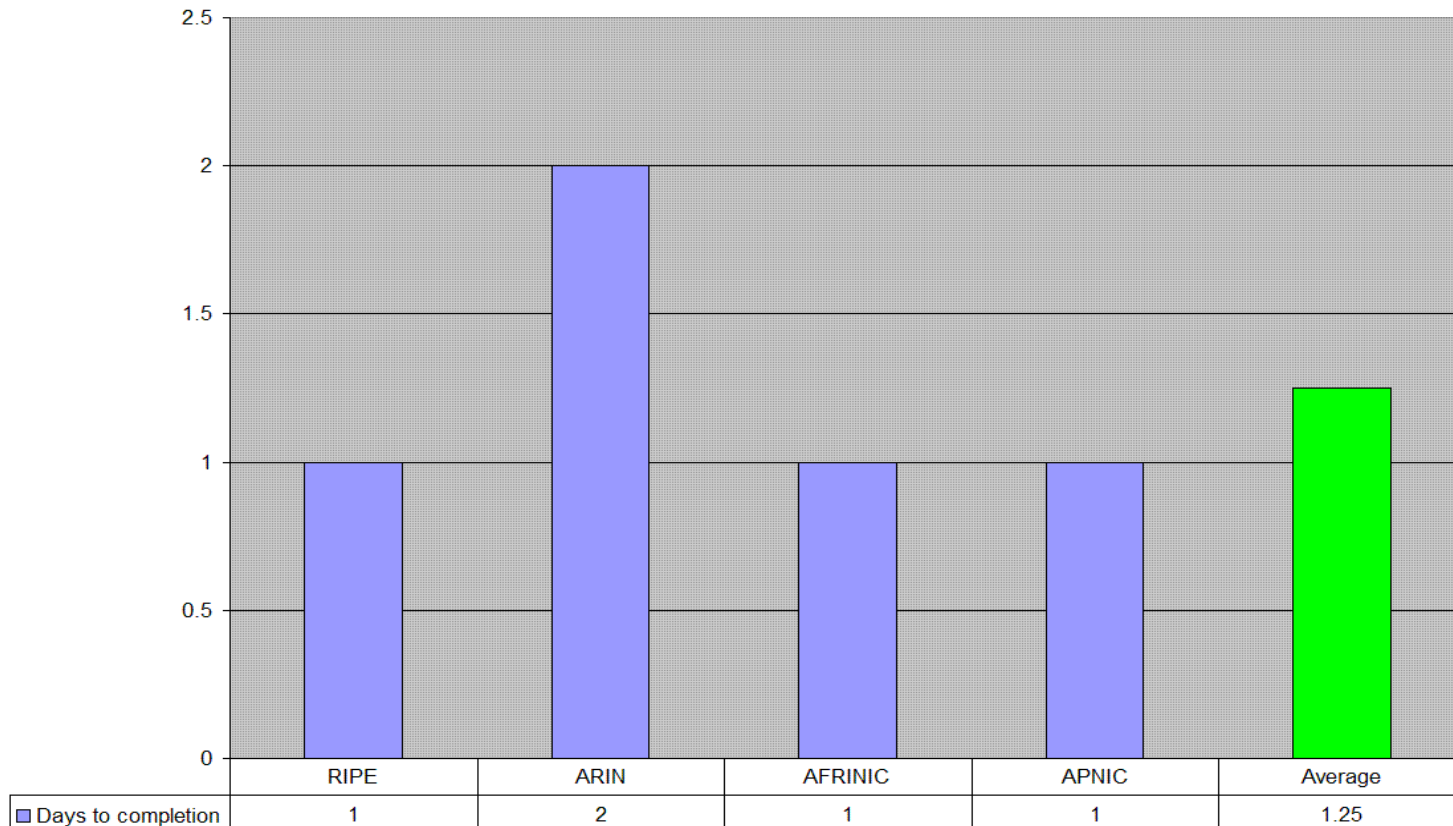
Numbers (IPv6)

Time needed to complete RIR requests for IPv6 allocations
* Original request submitted 12/15/04, revised request submitted 3/8/05



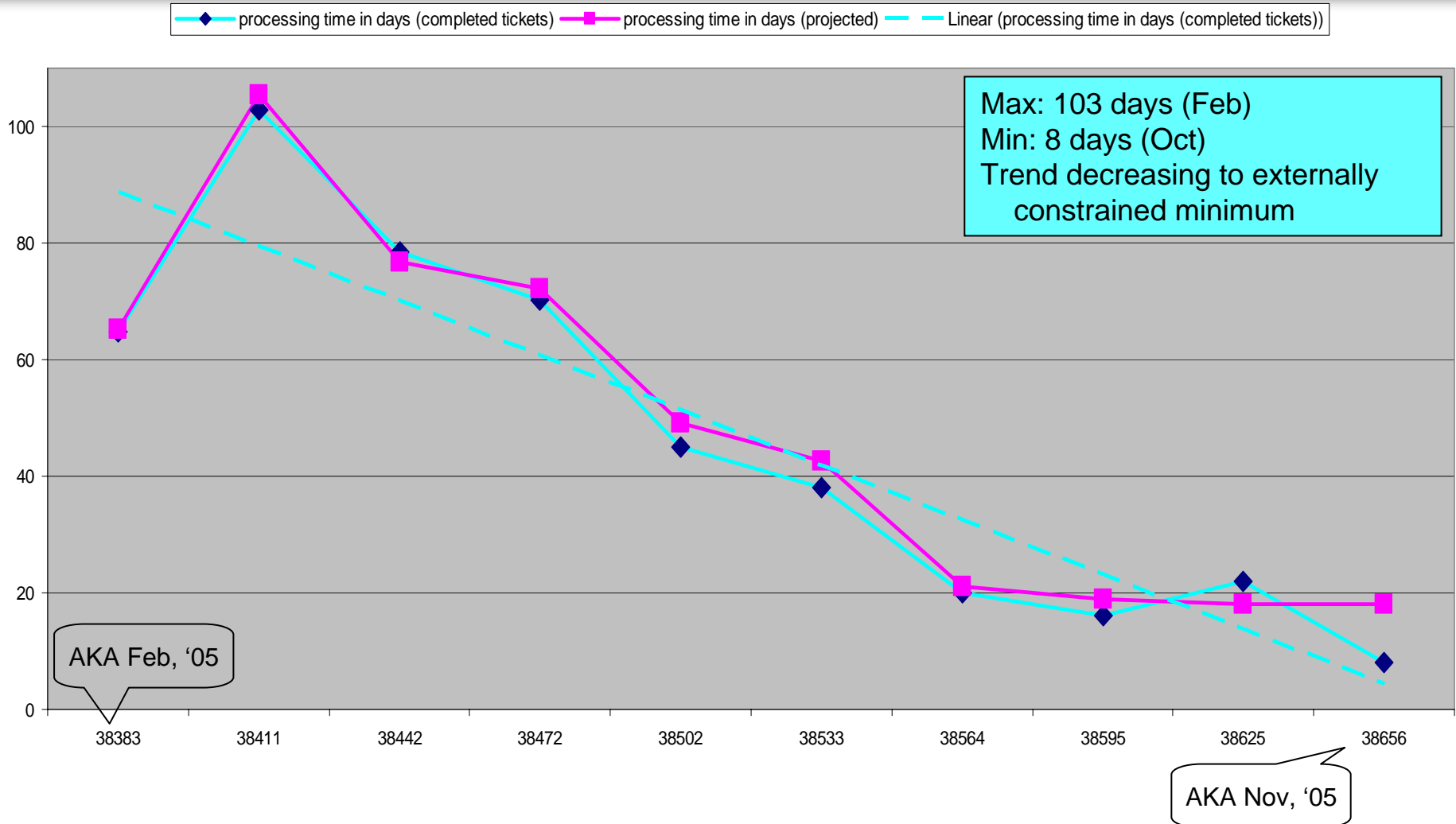
Numbers (ASNs)

Time needed to complete RIR requests for ASNs



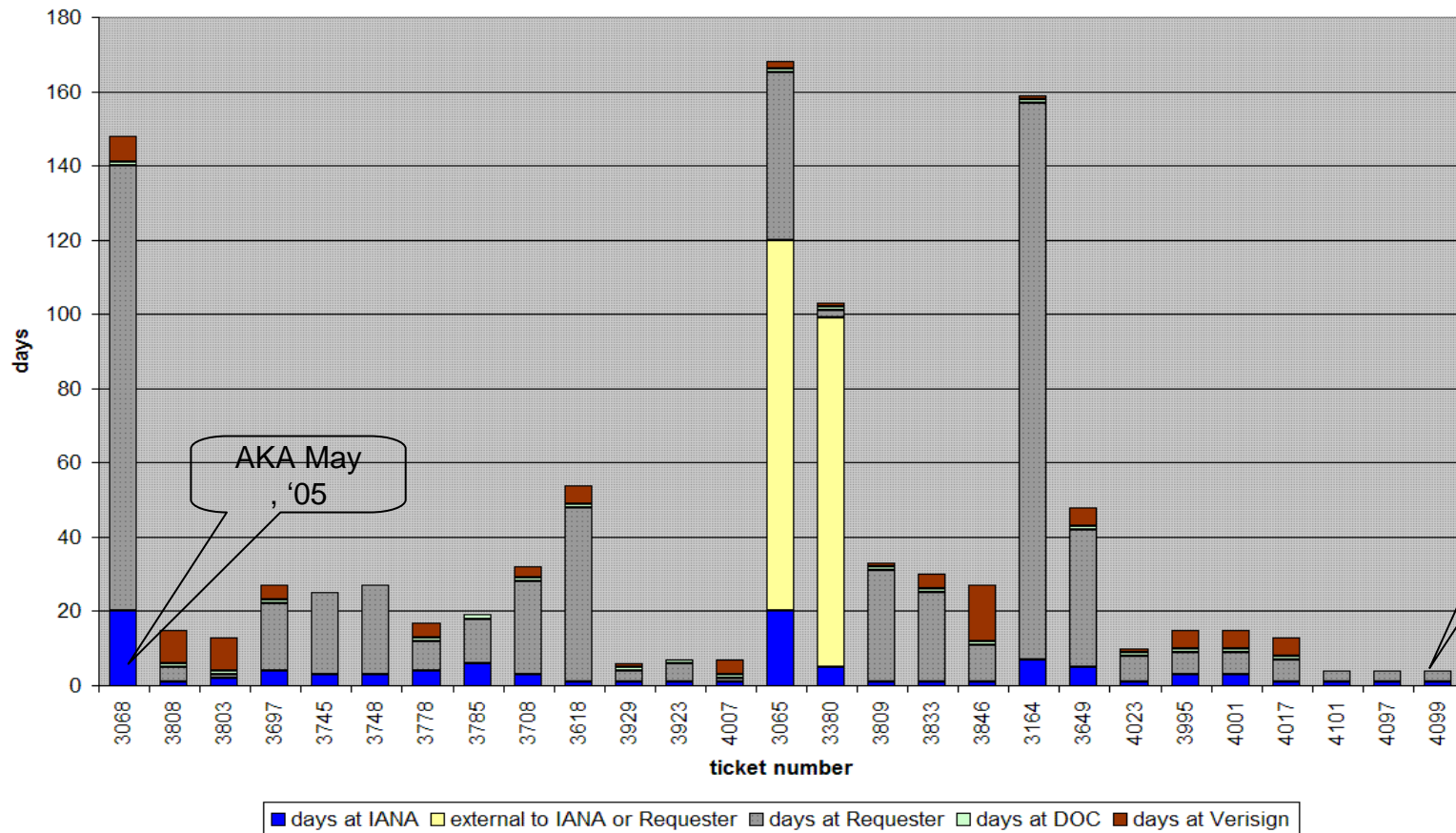
Root Zone – processing time in days

(Open requests projected to 18 November)



Root Zone - where time is spent

Root Management Change Requests October 2005



Observations

- Data quality issues for collecting statistics
 - ◆ Data collection improvements needed (and planned)
 - ◆ Data presentation improvements under development
- IPv4 request processing 3x faster than IPv6
 - ◆ Primarily due to “new-ness” of IPv6 allocations
 - Policy not entirely clear
 - Processes still evolving
 - Need formalization

Observations – Cont.

- IANA sees very few address/ASN requests
 - ◆ By design, but makes statistics misleading
- Root Zone processing
 - ◆ New ticket rate increasing, but processing them quickly to maintain and improve IANA service.

Summary

- IANA RIR processes improving
 - ◆ More formalization necessary for handling requests
 - ◆ Further clarification of IPv6 allocation policies desirable
- More automation necessary
 - ◆ Request validation and processing
 - ◆ Data collection and presentation
- Mistakes were made (understaffing, wrong staffing, de-emphasis/de-prioritization) but ICANN has taken extensive steps to never repeat them
 - ◆ Much higher priority and emphasis, new staff, increased budget, new focus on responsiveness, efficiency, and automation

Questions?

