

# Root Management Updates for ccTLD Managers

ICANN Lisbon, March 2007

Kim Davies

Internet Assigned Numbers Authority



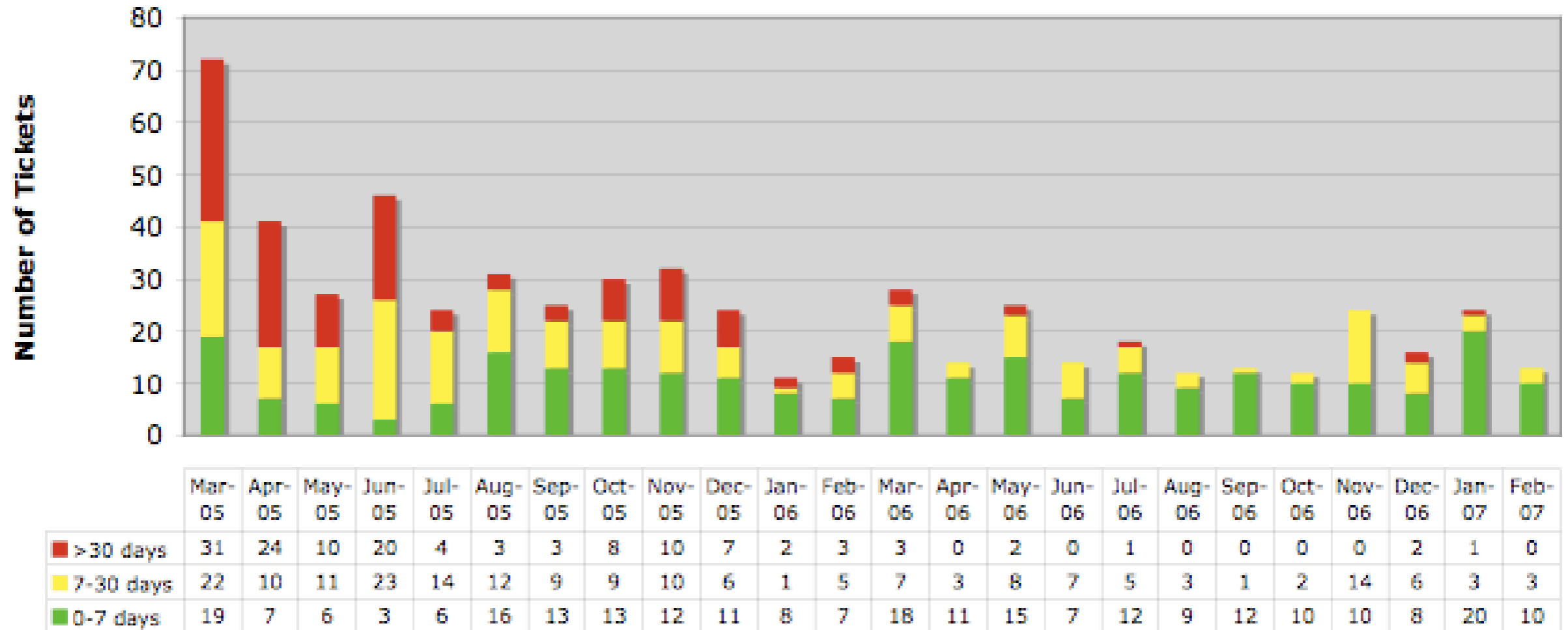
# Agenda

- ▶ Escalation Procedure
- ▶ Statistics
- ▶ Systems Development
- ▶ Signing the Root
- ▶ 24x7 support
- ▶ Procedural Reviews
- ▶ Other work

# Escalation Procedure

- ▶ Developed with ccNSO IANA Working Group
- ▶ Agreed with IETF
- ▶ <http://www.iana.org/escalation/>

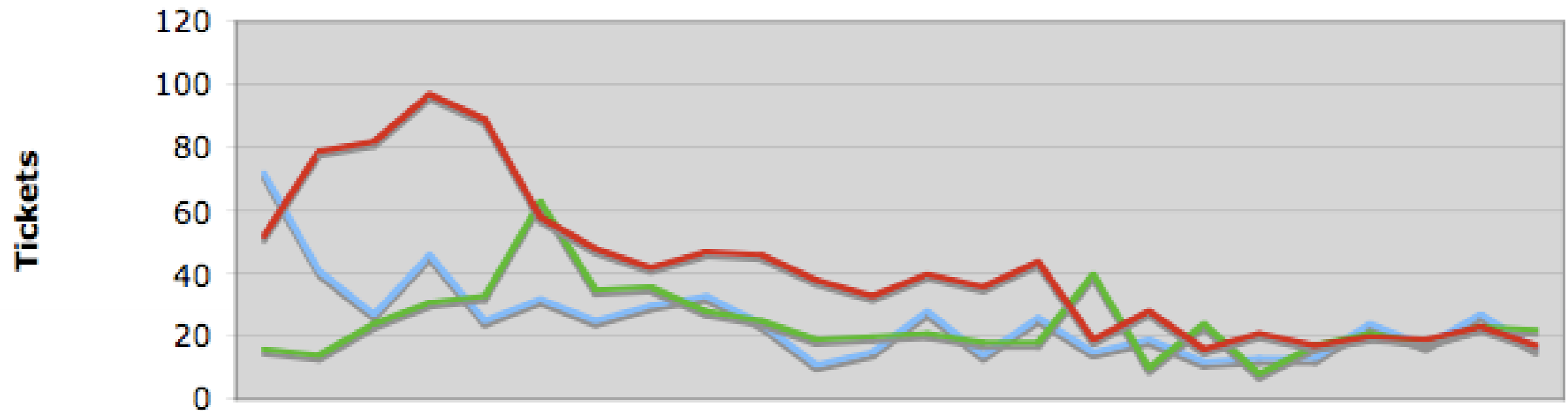
## Root Management Request Tickets IANA Wait Time



# RZM Performance (1)

- ▶ <7 days turnarounds for most requests (green)

## Root Management Requests

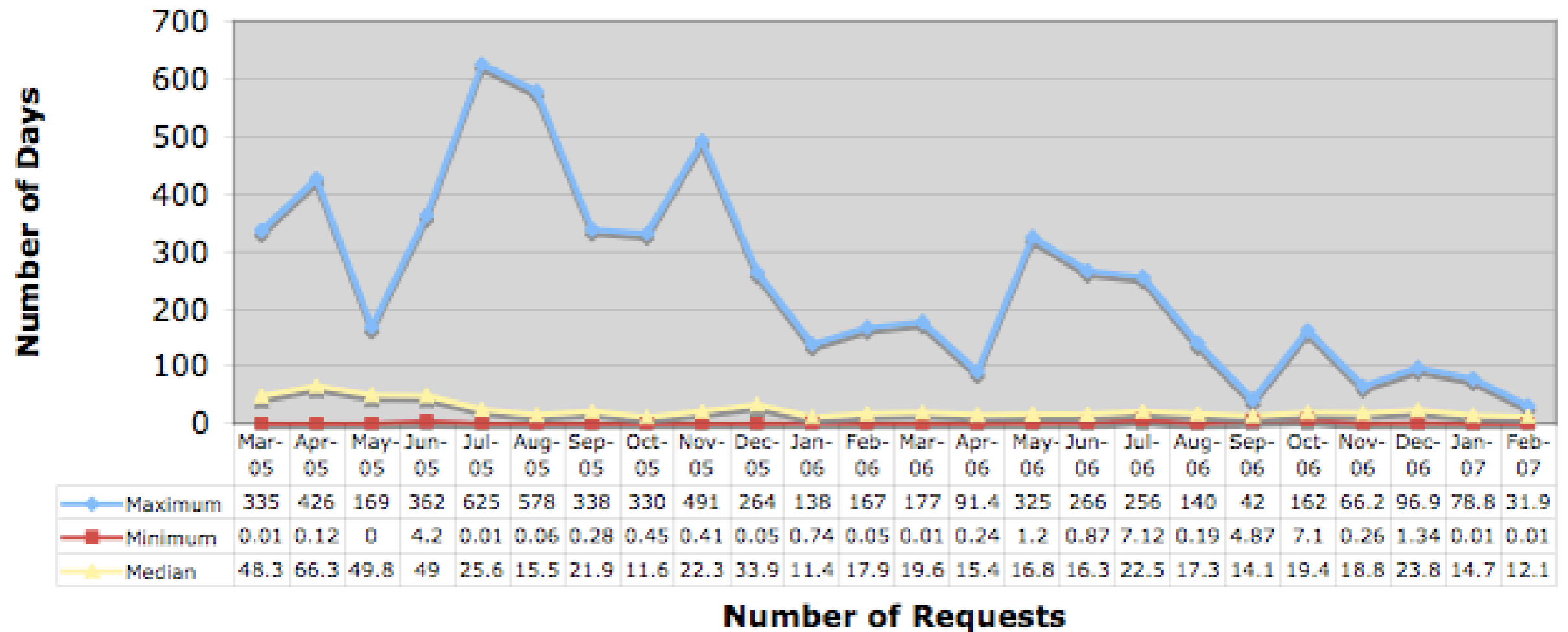


	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07
Created	72	41	27	46	25	32	25	30	33	24	11	15	28	14	26	15	19	12	13	13	24	17	27	16
Closed	16	14	24	31	33	63	35	36	28	25	19	20	21	18	18	40	10	24	8	17	21	18	23	22
Enqueued	52	79	82	97	89	58	48	42	47	46	38	33	40	36	44	19	28	16	21	17	20	19	23	17

## RZM Performance (2)

- ▶ Average pending queue (red) trending down

## Root Management Requests Total Processing Time



## RZM Performance (3)

- ▶ Long requests trending down

# Root Zone Management Workflow Automation

- ▶ New Software Developer on staff
- ▶ Working actively on development with NASK
- ▶ First functional milestone: April
  - ▶ Non-NS routine changes
  - ▶ NS changes rely on tech check and glue policy
- ▶ Testing arrangements
- ▶ EPP development in conjunction with VeriSign

# Signing the DNS root zone

- ▶ Developing tools to sign zones (.arpa etc. first)
- ▶ 2nd gen of RZM automation to accept DS records
- ▶ Determining process with USG on signing root file
- ▶ Have been asked if we can operate DLV registry
  - ▶ still in draft state, IANA instruction is to create DLV registry
  - ▶ resource intensive – replicating root server infrastructure?



# AAAA for root servers

- ▶ SSAC guidance to be released Wednesday
- ▶ IANA evaluating implementation strategy

# “Book of IANA”

- ▶ Mentioned in Public Forum
- ▶ Comprehensive list of services IANA provides; description of goals to achieve outcomes
- ▶ Online soon

# 24x7 Support

- ▶ Available since 15 July, 2006
- ▶ Modest usage (still)
- ▶ DDOS context – utility for ccTLDs?

# Procedure Review Update

- ▶ Technical Check Policy
  - ▶ Final staff review
- ▶ Glue Policy
  - ▶ SSAC submitted its comments, staff review commencing
- ▶ Sunsetting Country-code domains
  - ▶ ICANN staff performing consultations

# Other work areas

- ▶ Postal address testing
- ▶ IANA Website
- ▶ Anti-spam measures
- ▶ Authentication procedures review
- ▶ Heavier case load of redelegations
  - ▶ Better understanding by ccTLDs of IANA role

Thank you for your attention!

Kim Davies  
[kim.davies@icann.org](mailto:kim.davies@icann.org)

