

#Internet Governance &
Domain Names: New TLDs,
New Services, New Markets

#ICANN Studienkreis 2006
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#Place: Prague
#Time: 26 SEPTEMBER 2006

> NASK background

> NASK background #1

- ▣ established in 1991
- ▣ Research & Development public entity
- ▣ supervised by Ministry of Science and Information Society Technologies
- ▣ registry for .PL
- ▣ registry for +48 (ENUM project)

> NASK background #2

- ▣ business activity:
 - ▣ domain names registration
 - ▣ software development
 - ▣ internet acces (including WiMax)
 - ▣ IP Transit & Corporate networks
 - ▣ VoIP services
 - ▣ videoconference
 - ▣ biometrics
 - ▣ collocation & hosting

> NASK background #3

- ▣ 310 employees (total) including 40 employees in DNS Division
- ▣ over 20 mln EUR annual income
- ▣ assets including HQ in Warsaw (5000 sq. m.)
- ▣ 3.6 GHz (WiMAX) frequency license for Poland;
- ▣ member of ITU, CENTR, RIPE, etc.
- ▣ collaboration with ICANN, ENISA etc

> NASK background #4

- ▣ two modern collocation center in HQ (*I could tell you who is collocating servers at NASK, but then I'd have to kill you...*) + backup facilities etc.
- ▣ own IP backbone; WAN includes 38 nodes in Poland; 310 Mb/s (international access); 622 Mb/s (within Poland)





Do you want
broadband
WiMAX IP
access from
"nowhere"
in Poland?
No problem.



> .pl technology

> new projects

- NASK: the first European registry implementing EPP; April 2003
- NASK: the first European registry implementing IDNs; September 2003
- WLS @ NASK: June 2004
- IPv6 @ NASK: June 2005
- Dynamic Updates @ NASK: October 2006

> infrastructure

- full redundancy of the whole Registry infrastructure
- cutting edge infrastructure including SAN technology based on 3PAR InServ Storage
 - the deployed 3PAR storage enables synchronous replications of the data between Main Center and DR Center.
 - our DB Servers has been upgraded to the Oracle 10g with RAC (Real Application Cluster) technology - load balancing on the DB servers.

> security

- DNS servers monitoring
- internal systems monitoring; reports direct to the technical team's terminals (SMS + e-mail via BlackBerry/E61)
- all zone file verified before reload; if not typical behavior, reload waits for administrator action
- key domain names (from Polish economy perspective) monitored
- VIP service available in October 2006



> .pl rules

> rules

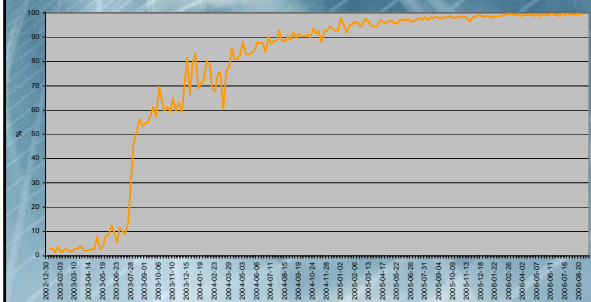
- ▣ first come, first served
- ▣ no restrictions
- ▣ Arbitration Court
- ▣ registration for 1, 2, 3... 10 years
- ▣ WLS "options"
- ▣ "VIP service"

> Registry - Registrar program

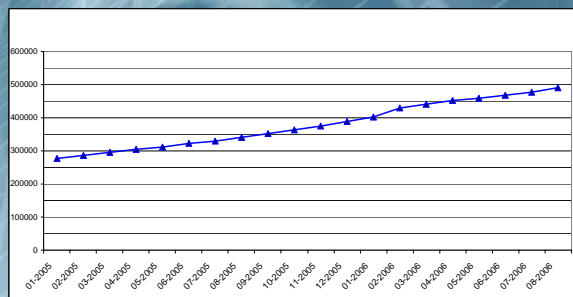
- ▣ Started: December 2002
- ▣ 52 Registrars; 20% foreign
- ▣ Registrars: 99,42% new registrations
- ▣ 501 478 domain names as of September 18, 2006
- ▣ dedicated Key Account Managers' Team
- ▣ 24h service
- ▣ RSS news for Registrars
- ▣ Face to face meetings ("Tour the Pologne") with biggest Registrars
- ▣ Technical Workshops for Registrars

> .pl statistics

> % registrations by registrars



of registrations



% of individuals

