



Internet Development Management of domain names Serbia

ICANN Studienkreis

Warsaw , October 11 –12 , 2007

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Legal Background

- 2003 Law on Telecommunications
finding of the first formal regulatory authority -
the Republic Telecommunication Agency
- 2004 Law on Digital Signature
- 2006 Strategy for development of
informatics society + action plan



Liberalization of the market?

- Serbia is one of the least developed countries in the region in the field of telecommunications. Many argue that the main reason for this situation is monopolistic position of national telecommunication company- TELEKOM Serbia. Entire infrastructure is owned by TELEKOM.
- There are over 40 ISPs (10 operate on national and 30 on local level.) They are mostly users of direct link to the Internet service, provided by Telecom Serbia and re-sellers to the end users.
- Without competition, TELEKOM is not stimulated to invest significantly in network capacities, it maintenance and improvement of quality and range of services.

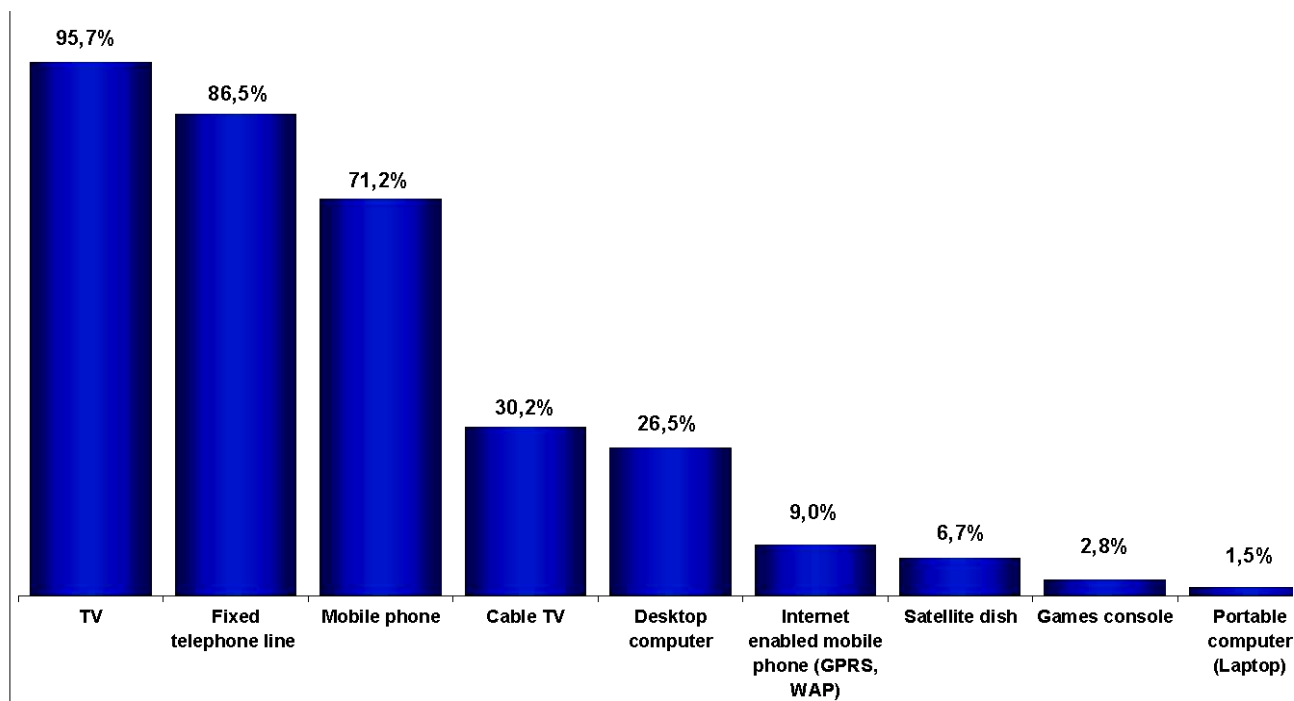
Use of information-communications technologies in Serbia, 2006

Source: Statistical Office of the Republic of Serbia

HOUSEHOLDS

26,5% of the households in Serbia possess computer

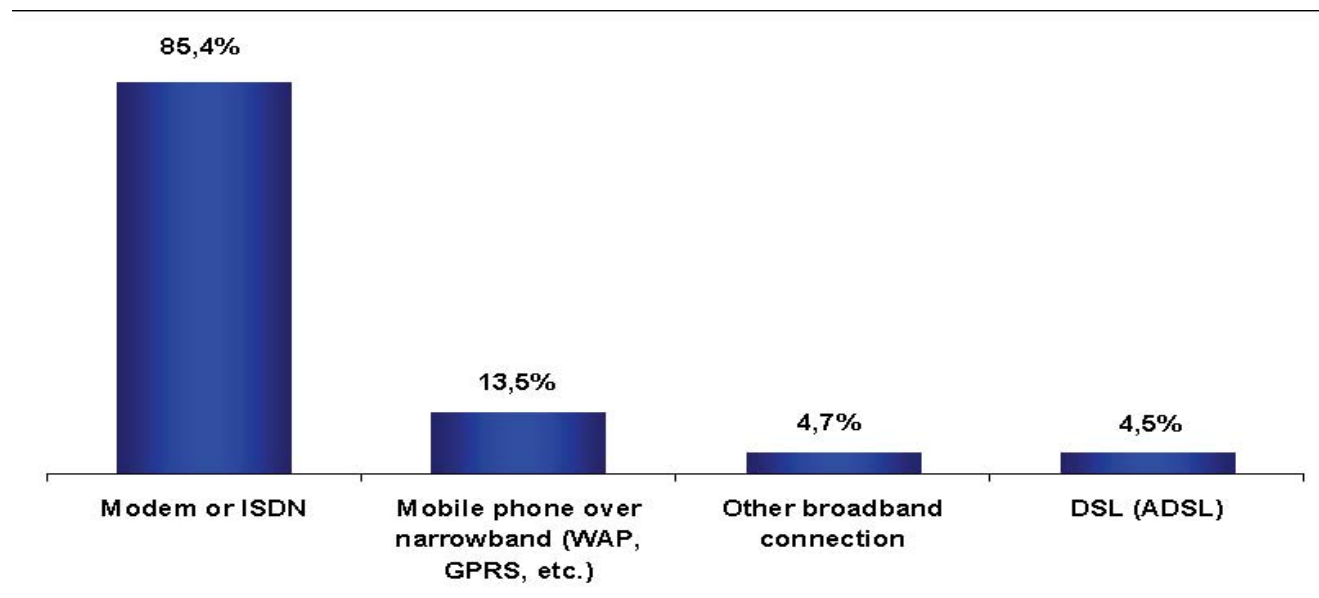
Graph 1- Proportion of the devices in the households





18,5% of households in Serbia have Internet connection 85.4 % of the households use modem (dial-up) connection

Graph 2- Type of Internet connection in the households





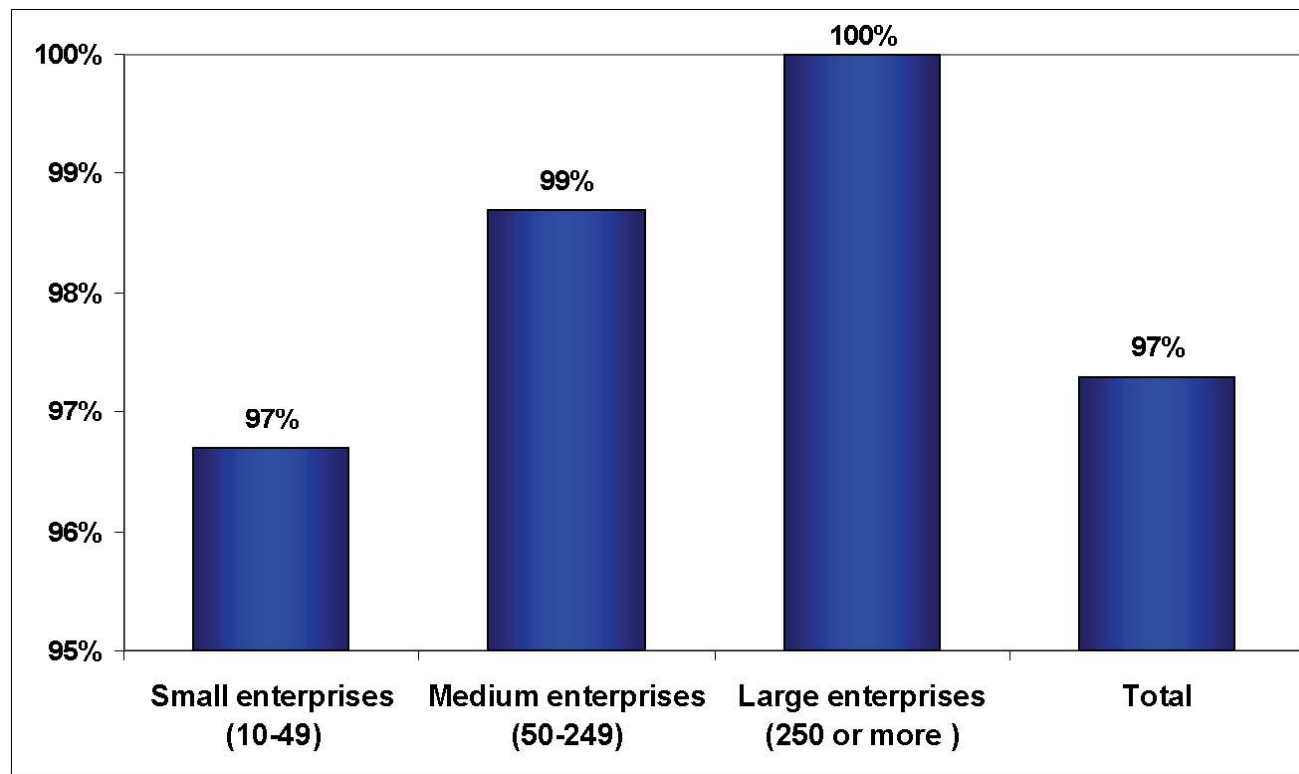
- The survey shows that 13.7 % of the respondents use the Internet services instead of personally contacting or visiting public institutions and administration bodies, while 43.1 % of the respondents are interested in such a possibility, but do not use it.
- Majority of people do not use the Internet for bills paying or instead of going to the public services institutions, due to the following reasons:
 - "Lack of information" (31,2%)
 - "I prefer personal contacts" (18,8%)
 - " I want direct answer" (9,9%)
- 88,4% of the respondents have never purchased/ordered goods or services via the Internet.



o ENTERPRISES

97.3 % of the enterprises in the Republic of Serbia use computer for their business

Graph 3- Do you use computers for your enterprise's activities?





- **90,2% of the enterprises have the Internet connection**

61.7 % modem connection,

23.0 % ISDN

20.9 % other fixed Internet connections

20.8 % of the enterprises have DSL

- **52,9% of the enterprises in the Republic of Serbia have website**

The most frequently offered services

Marketing of the enterprise's products (89.0%);

Allowing access to the products' catalogues and prices lists (53.1%);

Offering additional support after purchasing (23.3%).

- **48,6% of the enterprises use electronic services of public administration**

- **17.6% of the enterprises in Serbia has ordered goods/services via the Internet**



TIMELINE of the national internet domain

- **end of 1980s** Initiative by Faculty of Science, Belgrade University to connect former Yugoslavia to global network
- **1989** Faculty of Science connected to European Academic Network.
- **1990-1991** Project of academic network development was lead by an institute and university from Slovenia, so those institutions took over responsibility to organize the first register of TLD .yu
- **1992** Crisis and disintegration of Socialist Federal Republic of Yugoslavia. Register of .yu domain stayed in Slovenia. International sanctions imposed on Serbia (FR Yugoslavia) resulted in detachment from international academic network.
- **1994** Slovenia gain its own TLD .si. After long negotiations, FR Yugoslavia gained control over TLD.yu and control over it was in hands of several enthusiast- professors from Belgrade University. They were working under the name YU NIC- Yugoslav Network Information Center. Due to the international sanctions, primary DNS servers were hosted outside the country



- **1995** International telecommunications were reestablished and primary DNS server moved to Belgrade. YUNIC and they work without any financial support from state. As a result, possibilities for registering within .yu domain are limited.
- **2000** several initiatives were launched aimed to reform YUNIC
- **July 2006** establishment of Register of National Internet Domain (RNID), summed by organizational committee and Ministry of Science and Environmental protection.
- **2007** ICAAN appointed new national Internet domain .rs for Republic of Serbia. Domain is activated in September 2007 while transition from .yu to .rs domain should end till 30th September 2009.



Management of national internet domain

National internet domain is managed by Register of National Internet Domain (RNID). RNID is established as expert, nonpolitical, nongovernmental and nonprofit organization in charge for top level National Internet Domain. Domain registration within TLD register:

- **.rs** - for all interested parties
- **.co.rs** - intended for business companies
- **.org.rs** -intended for all registered organization
- **.edu.rs**- for educational institutions and organizations
- **.in.rs**- intended for individuals (individuals were not able to register for .yu domain)
- **.ac.rs**- delegated for higher educational institutions
- **.gov.rs**- delegated for state institutions

RNIDS can decide on other sub-domens. Registration is allocated on the “first come first served” principle. Through WHOIS service, RNIDs makes public registers off all domains.



Encouraging trends

- In May 2007 **Ministry of telecommunications and Information Society** is established.

Priority of Ministry is implementation of Law on Digital Signature. It is expected that the first certification bodies will be establish in the next few months. Long term goals :

- Creating conditions for the modern communications market development
- Increase the number of Internet users and improve the quality of services
- Promote e-government and e-commerce
- Assist development of Internet contents
- Extend the market for IT goods and services
- Promote intellectual property protection

- **Tax Reduction**



Sources:

- ***Usage of information – communications technologies in the Republic of Serbia, 2007*** Statistical Office of the Republic of Serbia
http://webrzs.statserb.sr.gov.yu/axd/en/dokumenti/ICT/2007/ICT_2007_saopstenje.pdf
- ***History of national internet domain*** Slobodan Markovic <http://www.nic.rs/>
- www.bos.org.yu/cepit
- **Register of national internet domain** <http://www.rnids.yu/>
- **Ministry of telecommunications and Information Society** <http://www.mtid.sr.gov.yu/>



THANK YOU!!!

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