



SENSE OF TELECOMMUNICATION

# Current status of User ENUM deployment in Poland

**COCOM Meeting.**  
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# Production User ENUM Registry launch

May 19, 2004

# History

- **Delegated: July 18, 2002,**
- **Trial started: July 2002,**
- **Production registry launch: May 19, 2004.**

# NASK - background

- **R&D, State organization**
- **Non for profit**
- **NASK is the administrative & technical contact for 8.4.e164.arpa**
- **NASK is the administrative & technical contact for .PL**
- **NASK is the ISP**
- **NASK is the TSP**

# Implementation background

- **New Telecommunication Law - valid since July 18, 2004 - implementing EU directives**
- **Consultations with the Office of Telecommunications and Post Regulation,**
- **Only valid E164 numbers assigned by Office of Telecommunications and Post Regulation (URTIP) can be registered.**

### Trial phase

#### Trial consisted of:

- Consultations with Regulator
- Consultations with TSPs
- Consultations with ISPs
- ENUM-EPP Registry system development & deployment (*NASK*)
- ENUM-EPP Registrar system development (*NetArt*)
- Private trial conducted by NASK (Asterisk, PhoneBook for mobile phones etc)

# Types of applications in the trial based on ENUM

- **Cost optimization solutions (*NASK, Warsaw University of Technology*)**
- **VoIP (*NASK*)**
- **Number Portability solutions (*NASK*)**
- **Phone Book (*NASK*)**

### Registration rules

- **No direct registrations.**
- **Registration through the TSPs only**
- **TSP can register the numbers belonging to his customers only**
- **NASK delegates ENUM domain names to NS only (no NAPTR records in NASK's zone files)**
- **Annual fee: 5 EURO / domain name**

### Registration rules cont.

- **NASK accepts all "create" requests from TSPs without validation.**
- **"Update" can be done if the correct "authInfo" is provided by the new TSP.**
- **"Transfer" can be done if the correct "authInfo" is provided by the new TSP.**
- **Generally: If TSP provides the false data, TSP is subject to prosecution (TSP must comply with Telecommunication Act)**

## Future plans

- **Integrate User ENUM database with Number Portability database**
- **To sign the „registrars” contracts with TSP**
- **To sign the hosting agreements for SNSs**

### Relevant IETF Internet Draft

- <http://www.bartosiewicz.pl/draft-bartosiewicz-enum-48tld-00.txt>
- **Version -01 coming soon.**

**More...**

**[www.dns.pl/english/ENUM/](http://www.dns.pl/english/ENUM/)  
[www.bartosiewicz.pl/ENUM](http://www.bartosiewicz.pl/ENUM)**

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**Additional slides**

# EPP Modified Elements

- **A transfer of a domain or a contact does not require a confirmation of sponsoring client of that object.**
- **Options of the <domain:transfer> and <contact:transfer> commands other than request are not supported.**
- **It is possible to delete a host using the <host:delete> command, even if there are domains delegated to that host, on the condition that the host is not configured for any domain which is delegated to this host. A side effect of a removal of a host is removal of all delegations to that host.**
- **A change of a host's name is forbidden.**
- **A providing of the <host:chg> element in the <host:update> element causes failure of the <host:update> command.**

# EPP Modified Elements

- **The <domain:info> command returns full set of information only for sponsoring client of a domain and client which provided a correct authorization information in the <domain:authInfo> element. In other cases command fails.**
- **The <contact:info> command returns full set of information only to sponsoring client of a domain and to client who provided a correct authorization information of domain in the <contact:authInfo> element.**
- **Furthermore, if contact represents a private person who consents to publish his/her personal details (consentForPublishing=1) then information is returned to the others clients. In other cases command fails**