

Working Group ENUM, Seminar Bratislava 16th of March 2005



Proposal on ENUM Trial in the Slovak Republic

Vladimir Murin

Research Institute Posts and Telecommunications, n.o. Banska Bystrica

Introduction

Working Group ENUM was established under the Association Communication Technology Forum with support of Ministry of Transport, Posts and Telecommunications of the Slovak Republic as a national ENUM domain name holder on the introductory meeting in Bratislava 6th of October 2004.

ENUM definition

Electronic NUMbering tElephone NUmbers Mapping

ENUM is an IETF standard (RFC3761) finalized in April 2004 that allows an end user to type a telephone number into e.g. a Web browser and to access a listing of Internet resources (URI) for that number, such as addresses for IP telephony, e-mail or Web sites.

http://www.ietf.org/html.charters/enum-charter.html

History 1

Research Project "The Aims and Procedures Harmonisation of ENUM Implementation with EU Member States", Research Institute P&T, 01/2003 - 12/2003

monitoring of ENUM standardisation work in ETSI, ITU and IETF;

evaluation of ENUM trial experiences from other countries;

recommendations for organisation of national ENUM Trial in the Slovak Republic.

History 2

Belegation of Slovak country code zone 1.2.4.e164.arpa for ENUM trial 06/2003

Tier 1 Manager Ministry of Transport, Posts and Telecommunications of the Slovak Republic;

Tier 1 Registry Slovak Academic Network SANET (for national ENUM trial)

For details:

http://www.ripe.net/maillists/ncc-archives/enum-announce/2003/msg00012.html

History 3

Research project "Convergence of ICT networks and services in communication infrastructure of the Slovak Republic", Slovak Technical University and Other Partners 11/2003 - 12/2005

- Analysis of present status numbering in communication networks.
- IP telephony in converged network.
- Conception draft of numbering (ENUM) and pilot implementation in converged network.

ENUM Status Worldwide

Belegated Domains <cc>.e164.arpa:

27 delegated domain names, status 9th of March 2005 http://www.itu.int/itudoc/itu-t/enum/enum-app.html

Trials:

Finland, France, Poland, Romania, Switzerland;

🔼 Australia, China, Japan, Korea, Singapore.

Commercial:

Austria - 12/2004; Germany, Sweden and United Kingdom under consideration

Honitoring RIPE ENUM Working Group

http://www.centr.org/kim/enum/index.html

ENUM Status Slovak Republic

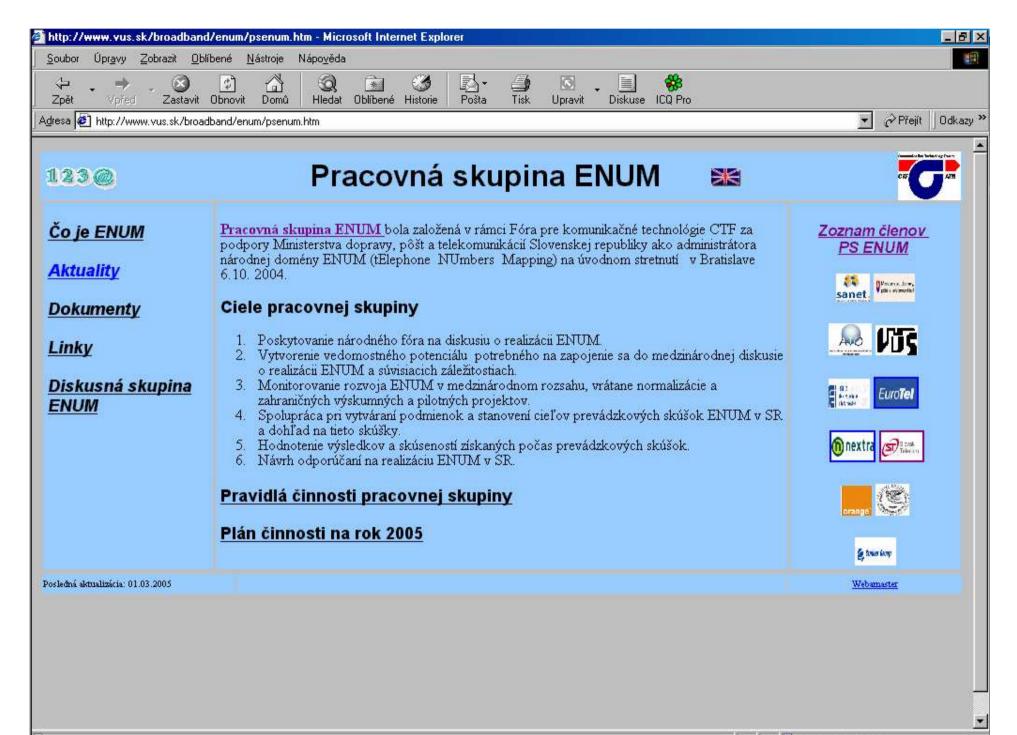
- 1.2.4.e164.arpa delegated 3rd of June 2003 (domain name holder MDPT SR, Tier 1 registry SANET);
- **WG ENUM established 6th of October 2004;**
- **1**st Meeting WG ENUM 19th of October 2004;
- **2nd Meeting WG ENUM 19th January 2005;**
- **WG ENUM Seminar** "Project ENUM in the SR"16th of March 2005.

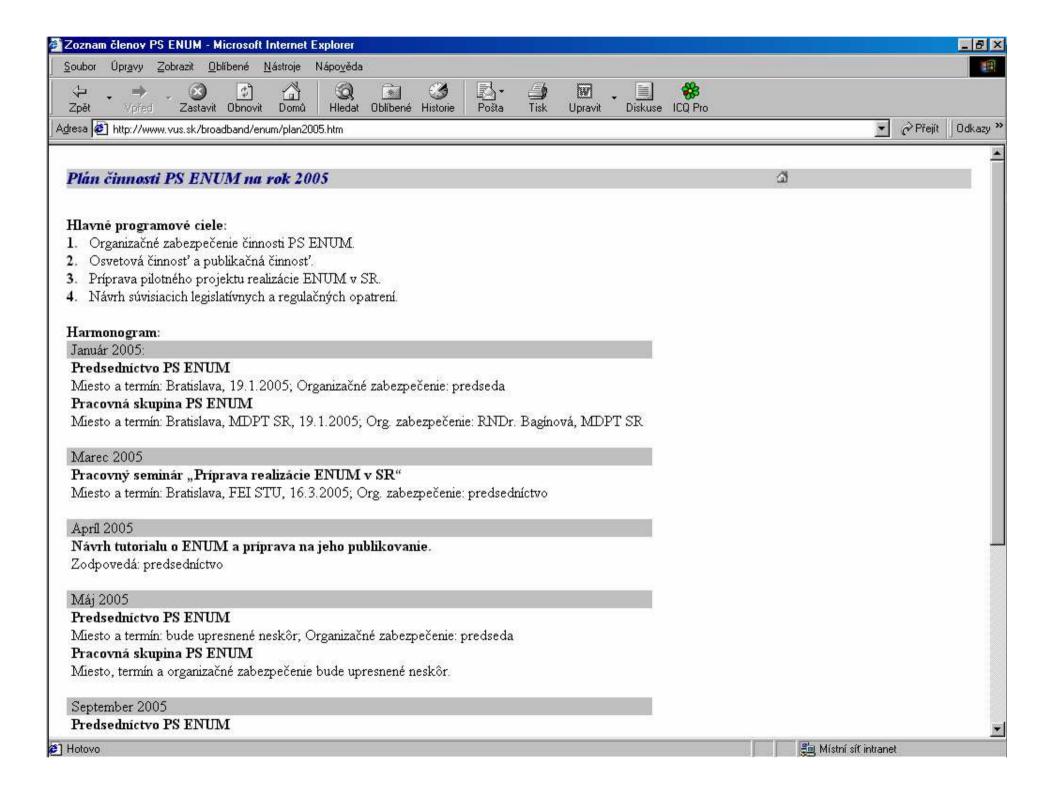
WG ENUM Goals

- Comparing the second second
- Creating knowledge base necessary to involve international discussion about implementation of ENUM and relate question.
- Honitoring development of ENUM in international range, including standardization and foreign research a pilot projects.
- Co-operating in creating terms and conditions and seting up targets for trials.
- **#** Evaluation of results and experiences obtained during trials.
- # Proposing recommendations of concerning implementation of ENUM in the SR.

Members of WG ENUM







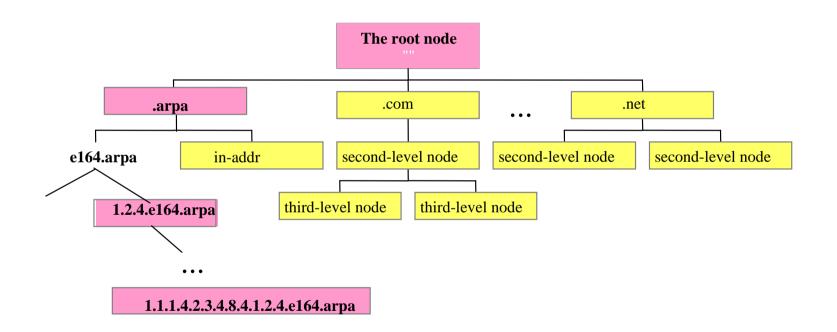
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If you choose not to enter a password, one will be auto confirmed your subscription. You can always request a	natically generated for you, and it will be sent to you once you've mail-back of your password when you edit your personal options.
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Reenter password to confirm:	
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ENUM Views

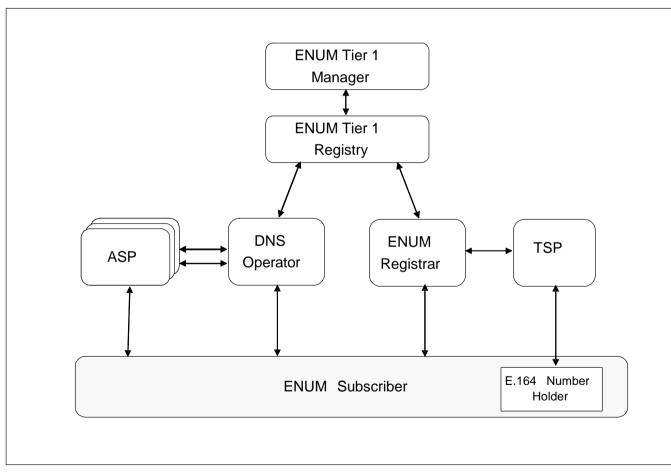
∺User ENUM vs. Infrastructure ENUM Subscriber (End User) opt-in vs. Provider (Operator) opt-in

℅Public ENUM vs. Private ENUM Internet vs. managed IP-Networks (or intranets)

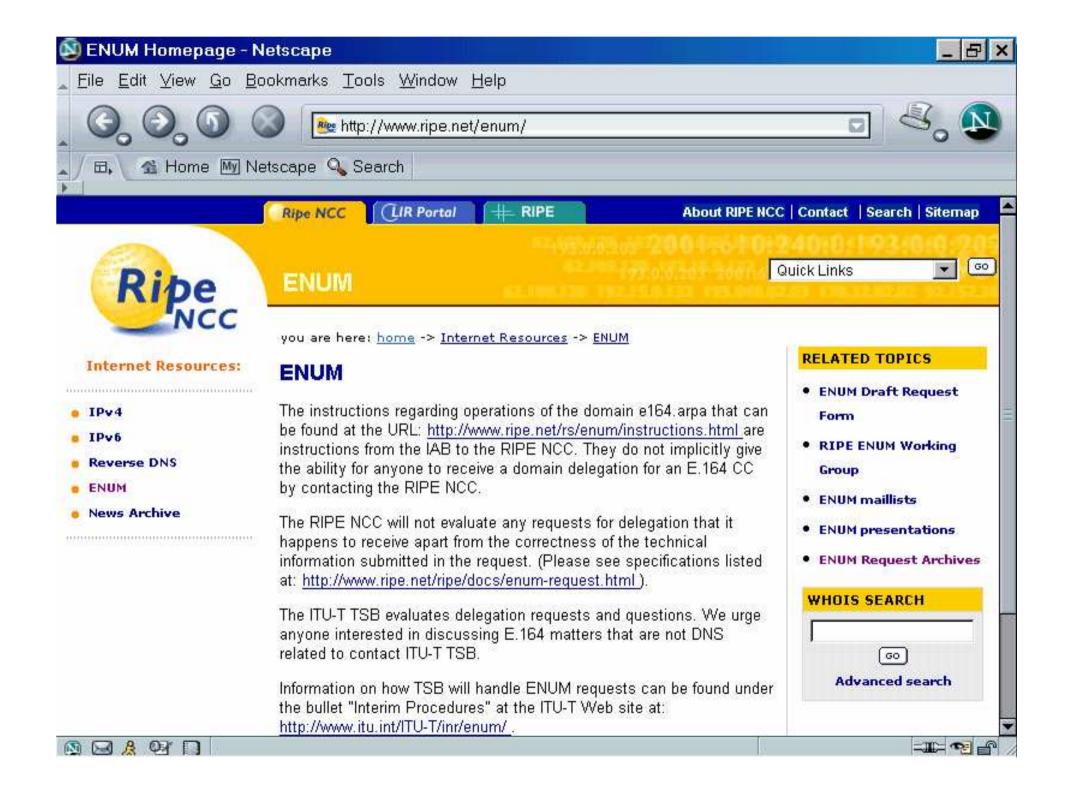
ENUM root



Administrative model ENUM



PS ENUM Seminar, Bratislava 16.3. 2005



RIPE WG ENUM Survey 1

- 1. What is the country and E.164 code?
- 2. Who is the delegate for the E.164 code?
- 3. The status of deployment (not delegated>applied>delegated/objected>trial>production)
- 4.ENUM Project contact details (telephone, email, web)
- 5. Is a trial being, or going to be, conducted?
- 5a. Types of numbers used in the trial?
- 6. Is there work or plans toward full permanent deployment?
- 6a. Types of numbers for production?
- 7. Who is leading the ENUM project? (government, industry working group, etc.)

RIPE WG ENUM Survey 2

- 8. Who operates the ccTLD for that country at present?
- 9. What type of organisation runs the ccTLD? (state, private, academic, etc.)
- 10.What is the ccTLD legal regulation, if any?
- 11.Who is the current Tier 1 registry?
- 13.How will the Tier 1 registry selection be made? (i.e. decision, license, concession, agreement, public procurement, etc.)
- 14.How will the method of cost recovery for the Tier 1 registry's operations?
- 15. Will there be more than one Tier 1 provider for the country?
- 16.Will there be ENUM registrars?
- 17.What will be the ENUM validation technique?

RIPE WG ENUM Survey 3

18.Is there/will there be a special number block for ENUM and/or IP Telephony?

19.Is there special treatment for unlisted numbers?

20. Are there any plans for infrastructure ENUM?

21.What is your ENUM WHOIS address?

22.Please provide the history of ENUM trials, projects etc., if any.

23.What are your future plans? (and dates if available)

24. What is your date estimate on a production ENUM registry launch?

Conclusions

#Open questions:

△ Market interest? Open for all interested parties.

ENUM Pilot Plan

ENUM Test Plan

☑ E.164 numbers

Validation

○Commercial architecture

△ Applications?

Working Group ENUM



vladimir.murin@vus.sk http://enum.six.sk

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