

ENUM: Country Experiences

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The views expressed in this presentation are those of the author and do not necessarily reflect the opinions of the ITU or its Membership.



ITU Resources on Current Status

- Interim ENUM delegation procedures:
 - <http://www.itu.int/ITU-T/inr/enum/procedures.html>
- Over 25 approved delegations:
 - <http://www.itu.int/itudoc/itu-t/enum/enum-app.html>
- Dissemination of experiences
 - <http://www.itu.int/ITU-T/inr/enum/trials.html>
- New WTSA Resolution on ENUM
 - To deal with concerns about ITU Member States having full administrative control over E.164 resources put into the DNS

Other Resources

- Reference site on status of country trials of ENUM
 - <http://www.centri.org/kim/enum/>
- ETSI ENUM Plugtest
 - Presentations on recent country experiences
 - <http://www.etsi.org/plugtests/History/2004ENUM.ht>
- Technical draft on ENUM protocol Implementation Issues and Experiences
 - <http://www.ietf.org/internet-drafts/draft-ietf-enum-ex>
(try-02,-03, etc. if expired)

Example of Regional Initiative: APEET

- July 2004: CNNIC (China Network Information Center), JPRS (Japan Registry Service), KRNIC (Korea Network Information Center), SGNIC (Singapore Network Information Center) and TWNIC (Taiwan Network Information Center) announced formation of Asia Pacific ENUM Engineering Team (APEET), an informal technical project team formed to coordinate and synergize ENUM activities in the Asia Pacific region...

– <http://www.apenum.org/>



Australia

- Australian Communications Authority
 - http://www.aca.gov.au/telcomm/telephone_1
- Australian ENUM Discussion Group Meeting Papers
 - http://www.aca.gov.au/telcomm/telephone_1

Austria

- First country to deploy commercial ENUM services
 - <http://www.enum.nic.at>
- Status:
 - <http://www.centri.org/kim/enum/index.html#4>

Brazil

- <http://www.wirelessbrasil.org/wirelessbr/>

China

- ENUM trial in China is led by the Ministry of Information Industry (MII)
 - <http://www.enum.cn>

Finland

- ENUM study working group set up by FICORA (Numbering in Telecommunications Networks) completed its work on February 28, 2003 and recommended that a national ENUM pilot should be started
- National ENUM pilot was launched on December 1, 2003 and it is scheduled to end June 1, 2005
 - <http://www.ficora.fi/englanti/tele/enum.htm>

France

- NUMEROBIS is a multi-partner project that aims to set up a national ENUM trial. In May 2002, it was selected by the RNRT (Réseau National de la Recherche et de la Technologie) as a pre-competitive project.
 - Français: <http://www.numerobis.prd.fr/>
 - English: <http://www.numerobis.prd.fr/welcome.shtml>

Germany

- Trial managed by DENIC (.de registry)
 - <http://www.denic.de/en/enum/index.html>
- Current Status
 - http://www.denic.de/en/enum/aktuelle_arbei

Japan

- ENUM Trial Japan (hosted by JPNIC and JPRS)
 - Perform ENUM trials to ensure functioning and feasibility of basic technical facility
 - <http://etjp.jp/english/index.html>
- May 2004 Status
 - http://jprs.co.jp/enum/enum_jprs/activity/pdf

Korea

- ENUM activities in Korea are managed by NIDA (National Internet Development Agency of Korea), successor to former KRNIC (Korea Network Information Center who manage .kr)

– <http://enum.nic.or.kr/>

Remaining Questions from Korea ENUM Service Council

- Questions about ENUM
 - What's the business model for ENUM?
 - Most TSPs(in Korea) were wondering why the other countries make an effort of introducing ENUM
 - How should the law of Telecommunication be changed because of the ENUM introduction?
 - MIC (Government) was wondering whether ENUM is above the VoIP or under it
 - Would users like to use ENUM?
 - NIDA wondering whether ENUM is attractive service like domain names or not

The Netherlands

- Trial Information
 - <http://www.enuminnederland.nl/>

Poland

- Status described at:
<http://www.centri.org/kim/enum/index.html#48>
and <http://www.bartosiewicz.pl/ENUM.htm>
- Activity managed by NASK, ITU-T Sector Member
- Offers ENUM and Number Portability solutions free of charge to developing countries and members of ITU-T
 - ENUM registry based on EPP
 - Number Portability Administration Center database

Singapore

- Public Consultation (October 2004):
Proposed Policy Framework for IP
Telephony and Electronic Numbering in
Singapore
 - <http://www.ida.gov.sg/idaweb/pnr/infopage.jsp?>

Sweden

- Trial from end 2002-summer 2003
 - <http://enum.autonomica.se/>
- During first half of 2004, industry group worked on procedures with ENUM industry players and made recommendations to PTS, (National Regulatory Agency) and Swedish Administration

Sweden cont'd

- PTS preparing final report to our Swedish government to be delivered 31 December 2004
- PTS suggests introduction of ENUM on permanent basis, who can act as ENUM Tier 1 Manager, the procurement method to select the ENUM Tier 1 registry and who can act as ENUM Registrars.

Sweden cont'd

- PTS imagines will send out report for public consultation in early 2005 and after this consultation decide on next steps based on report and replies to consultation
- Projected introduction date: Summer to late 2005

United Kingdom

- **Trial:**

- <http://www.ukenumgroup>

- **Final ENUM Trial Report:**

- <http://www.ukenumgroup.org/pdf/UKETGRc>

Thank you

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