

Austrian ENUM Trial status update

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items

- trial status
- regulatory aspects, numbering & operations
- validation
- at43 public SIP/ENUM platform
- trusted CLI
- reusable software

Austrian ENUM Trial

- agreement RTR/nic.at signed last spring
- RTR is admin-c, nic.at is tech-c
- extended until 9/03, will be extended more..
- registrars: TA, nic.at, inode, some in the pipe
- bringing in friends & neighbours to trial
- some work with PBX vendors
- we'll have to talk production conditions eventually

regulatory aspects

- trial will result in some inputs to new numbering directive
- proposing „VoIP“ number space
 - „ *no technology dependent numbering*“
 - redefine „mobile network“
 - termination conditions
 - 911 location indications
- proposing DIRECT NUMBER ALLOCATION TO USER
- use same terms as for mobile number portability
- key to success will be interconnection of free like FreeWorld Dialup, and commercial services

validation

- again, right to pick up a phone != right-to-use in a number...
 - reuse existing credentials
- minimum quality standards for validation:
 - „right to pay a bill“
 - mobile phones – PIN protection
- proposed architecture
 - http://enum.nic.at/documents/AETP/Presentations/Austria/0016-2003-06_A_scalable_architecture_for_ENUM_validation.ppt
 - building prototype
 - hook into TA self service portal (at least)

a likely production system

- registry
- validation system
- allocation for new numbers

think about tacking on:

- number portability information
 - operator, routing number

at43 Project

- public SIP service for IM, VoIP
 - initially UofVienna, 120K students
 - will include other ISP's
 - SIP accounts have numbers: +4359966
abcdef
 - media gateway
- intended as ENUM proving ground
- service start in Q4

VoIP & trust in numbers

- for VoIP to fly, trusted caller ID's is key
 - and auto-configuration, btw
- GSM industry solved this 10 years ago
- we're replicating this in at43
- built prototype SIM-card authenticated SIP phone & service platform
- insert other SIM card – new subscriber identity

useful stuff

- <http://enum.nic.at> documents section
 - all slides, presentations, papers
- software contributed by nic.at
 - Tier2 registrar portal
 - ENUM support in Asterisk for
 - SIP **AND** H.323 – since monday
 - your 1000\$ ENUM – capable PBX
 - gobs of Asterisk patches already in CVS