

UK ENUM Update

RIPE 50

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Introduction

- Block registrations
- Governance stuff
- Outcome of the consultation exercise

Consultation Exercise

- Completed last year
- Analysis of result sent to minister
 - Approval stalled by the election

Catch-22

- 4.4.e | 64.arpa is sparsely populated today
 - Few applications or services using it
 - Negligible use of ENUM-aware software
 - Little incentive (so far) to populate the tree
- UK ENUM Group needs money
 - Weak business case with a mostly empty tree and little uptake of ENUM software to date

Breaking the Deadlock

- Bulk registrations
 - Initially envisaged for virgin blocks
 - Some interest for **any** number blocks
 - Largely for telcos & CSPs
- Authentication based on Ofcom database
 - Entries for blocks allocated to telco by the regulator

Proposed Scheme

- Tier-1 registry holds 2 NAPTRs for each number in the block:
 - tel: URI for corresponding number
 - sip: URI for CSP's SIP gateway
- May consider adding other NAPTRs
- NO delegation of these numbers

Delegation

- CSP undertakes to:
 - Inform Tier-I when number is ported
 - Inform customer when number is activated
 - Customer can request delegation
 - Provide per-user authentication & validation for active numbers (possibly)

Advantages

- Significant data added to 4.4.e164.arpa
- Encourage uptake of ENUM-aware solutions
- Potential revenue for UK ENUM Group
- 4.4.e164.arpa has value for CSPs & telcos
 - Authentication of inbound VoIP traffic
 - Check claimed Caller-ID against ENUM tree

Open Issues

- Conformance with Number Portability process
- Compliance with privacy, data protection & competition laws
- Need some sort of legal framework: MoU?
- On-going support for these blocks if/when UK ENUM becomes a production system

Governance Stuff

- Proposal to create a non-profit company to oversee ENUM in the UK
 - Comparable model & charter to Nominet
 - Could get under way fairly soon if there's rough consensus

QUESTIONS?