ENUM – A Primer, experiences & opportunities

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Singapore ENUM Framework
Pilot Trial Service
Introduction

- SGNIC will operate the National ENUM database 5.6.e164.arpa
- Trial will last for at least 6 months
Principles

**Principle 1:** The ENUM registrant would use the same numerical string as his/her assigned Singapore E.164 telephone number. No number level created specially for ENUM.

**Principle 2:** ENUM registration is based on an ‘opt-in’ approach.
Functional Model

- **Tier 0**
  - ENUM Root E164.arpa
    - (IAB - RIPE NCC)

- **Tier 1**
  - ENUM Registry
    - (SGNIC)

- **Tier 2**
  - ENUM Registrars
  - ENUM DNS Provider
  - ENUM Registrants
    - (Assignees of existing E.164 telephone number)
Registrar Requirements

One Stop Shop to:

• Provide ENUM registration service
• Provide DNS hosting service; and
• Provide ENUM based services
Interfacing with SGNIC

- APIs (Perl) to connect to the Registry System
- Web Interface to the Registry System
Present Situation

• Trial has not started
  – Industry shown little interest in Public ENUM
  – No “killer” application to use ENUM

• Keep our options open
  – Running faster than industry
  – Support if there is interest
Q & A

Thank you!

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