

E.164 Numbers For An ENUM Testbed

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The Problem

- A (permanent?) ENUM testbed needs to use valid E.164 numbers:
 - An ENUM lookup of (say)
`0.1.2.3.4.5.6.7.8.9.c.c.e164.arpa`
returns a NAPTR RRset that tests.....
 - `sip:URIs` could point at a SIP server that returns voicemail “You passed (or failed) test *foo...*”

Possible Solutions

- Use Drama Numbers
- Get special block assignment from a regulator
- E.164 test “country code”

Drama Numbers

- Some regulators have set aside ranges for this
 - UK ranges used during ETSI Plugtest
- Advantages
 - Simple & well-known
- Disadvantages
 - Might (or might not) be routable over PSTN
 - Overload functionality of number range

Special Number Range

- Ask a regulator for a 1000? 5000? block for the testbed
- Advantages:
 - Clear understanding what the numbers are used for
- Disadvantages:
 - Might not be routable over the PSTN
 - Awkward regulatory precedents
 - Assigning numbers for non-telephony use

E.164 Test Code

- Ask ITU member to request E.164 “country code” for test purposes
- Advantages:
 - International resource
 - Precedent already set
- Disadvantages:
 - PSTN reachability
 - “Ownership” of code & related testbed

WG Questions

- Is reserving a block of numbers for a testbed a good idea?
- If yes, which is the preferred option?
- Could the WG issue a document or recommendation?
 - i.e. Show to ITU and/or regulators that there is a justification for this

QUESTIONS?