ENUM Services Registration Guide

draft-ietf-enum-enumservices-guide-06

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Changes since -04

- Implemented feedback from IETF-69
  - Added proposal for registration process (s. also below)
    - including ASCII-art
  - Selection of Experts
  - Duties of Expert
  - Appeals

- Addressed comments received from Jon Peterson

- Classification concept finalized
  - Class now part of Enumservice registration (s. also below)

- Adjusted template and other editorial stuff

List of Open Issues

(1) Decide on process for Enumservice registrations

(2) Decide on relation between Subtype and URI scheme(s)

(3) Decide on whether classification goes to registration template

(4) Sort out impact to RFC3761bis

(5) Fix IANA considerations of this document
  - depends on (1)

(6) Find appropriate URL for downloading the Template

Issue (1) - Process

Which process shall apply?

A) Author -> IESG -> Expert Review -> IESG -> IANA
   -> Publication

B) Author -> Expert Review -> IESG -> IANA
   -> Publication

C) Author -> IANA -> Expert Review -> IANA
   -> Publication

D) Author -> IESG -> IANA -> Expert Review -> IANA
   -> Publication

Issue (1) – Variant A

A) Author -> IESG -> Expert Review -> IESG -> IANA
-> Publication

+ According to IETF Standards process

+ No or little changes to RFC3761bis

+ Responsibilities clear

 - Rather heavy, puts burden on IESG

Issue (1) – Variant B

B) Author -> Expert Review -> IESG -> IANA
-> Publication

The one documented in the -06 version of the I-D

+ No or little changes to RFC3761bis

 - Not spread in the IETF (i.e exotic)

 - Responsibilities anything but clear

Issue (1) – Variant C

C) Author -> IANA -> Expert Review -> IANA
-> Publication

+ Simple process

+ Responsibilities clear

- Major changes to RFC3761bis

Issue (1) - Process

Which process shall apply?

A) Author -> IESG -> Expert Review -> IESG -> IANA
-> Publication

B) Author -> Expert Review -> IESG -> IANA
-> Publication

C) Author -> IANA -> Expert Review -> IANA
-> Publication

D) Author -> IESG -> IANA -> Expert Review -> IANA
-> Publication

We want a final decision now!

Issue (2) – Subtype & URI schemes

Why?

- Prevent "Russian ENUM Roulette"

    100 10 "u" "E2U+sip" "!^.*$!sips:foo@example.net!" .
    100 20 "u" "E2U+sip" "!^.*$!sip:foo@example.net!" .

Issue (2) – Subtype & URI schemes

A) One URI scheme per type/subtype?
- requires revision of lots of services

B) "Base" URI scheme plus secure variant (sip/sips)?
- does this solve the problem?

C) Any number of schemes?
- current situation

D) Any combination of schemes that are mandatory to implement?
- requires revision of lots of services (also "sip")

Issue (3) - classification

Classification of Enumservices:

- "protocol" class

- "data format" class

- "application" class

- Shall we include classification information in the IANA template?

  - Yes

  - No

- If yes, where?

  - Dedicated field (changes to IANA template!)

  - "Any other information" field (no changes)

Issues (4), (5) & (6)

Any comments on the remaining issues?

(4) Sort out impact to RFC3761bis

(5) Fix IANA considerations of this document

(6) Find appropriate URL for downloading the Template

End of presentation

Backup Slides

Issue (1) – Variant C

- What form of document shall an Enumservice registration require?

    - (Informational) RFC

    - Any specification, if IETF has liaison with its SBO

    - Any "publically referenceable" and "stable" specification

    - Any specification

    - ...

"Protocol" class ENUMservice

- Strongly related to a single (application level?) protocol

- ...and to a URI scheme for this protocol, potentially with a secure variant

- Recommendation:
  - Name: use protocol name
  - Type: use protocol name (lowercased)
  - Subtype: none for "base" URI scheme, URI scheme name for "other" URI schemes

- Examples: XMPP, SIP (...)

"Data format" class ENUMservice

- Strongly tied to a specific data structure

- That data might be represented in various formats, and accessed via various protocols

- Recommendation:
  - Name: data structure name
  - Type: data structure name (lowercased)
  - Subtype: name of representation

- Example: vCard, cnam

"Application" class ENUMservice

- Strongly tied to an application

  (= „use case", not an "application program")

- A single application might use more than one URI scheme

- Recommendations:
  - Name: application name
  - Type: application name (lowercased)
  - Subtype: URI scheme of protocol used

- Examples: mailto, web, ft, im (...)