RFC 5333 bis

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ENUM in a Nutshell

- ENUM: E.164 Number to URI Mapping
- Specified in RFC 6116 & RFC 6117
- Input: Telephone Number
- Output: URI
- Means: DNS & DDDS

Abbreviations:
- **URI**: Uniform Resource Identifier
- **DNS**: Domain Name System
- **DDDS**: Dynamic Delegation Discovery System
IANA Registration of Enumservices for Internet Calendaring
  - Input: Telephone Number
  - Output: iCalendar URI, used to
    - access calendaring information, or
    - perform scheduling transactions

Enumservices for iCalendar scheduling
  - ical-sched:mailto / mailto (iMIP)

Enumservices for iCalendar access
  - ical-access:http / http (CalDAV)
  - ical-access:https / https (CalDAV)
- Defines iCalendar scheduling extensions
  - Leverages the scheduling methods defined in the iCalendar Transport-independent Interoperability Protocol (iTIP) [RFC 5546] using CalDAV (HTTP)
- Permit Calendar Users to perform scheduling transactions, such as:
  - Schedule
  - Reschedule
  - Respond to scheduling request
  - Cancel scheduled calendar components
  - Search for busy time information
RFC 5333 bis

- Add IANA registration of new Enumservices related to draft-desruisseaux-caldav-sched
  - Enumservices for iCalendar scheduling (CalDAV)
    - ical-sched:http / http [if needed]
    - ical-sched:https / https
  - Had to be stripped from RFC 5333 before publication
    - Normative reference to draft-desruisseaux-caldav-sched

- Update existing Calendaring Enumservices [RFC 5333] to be compliant with RFC 6117
  - RFC 6117: New process for IANA registration of Enumservices
Example Flow: iCal with ENUM

Anna (organizer) / iCalendar application

Give me Bob’s ENUM services / his phone number is: +41991234567

1a

NAPTR 10 1 "u" "E2U+sip" "!\.*!$!sip:bob@beispiel.ch!" .
NAPTR 50 1 "u" "E2U+ical-sched:https" \
NAPTR [...]
Issue #1

- Do we also need an Enumservice “ical-sched:http”?
  - Or is “ical-sched:https“ sufficient?
  - IOW: If you advertised a CalDAV URI for scheduling, would you ever advertise a http-URI (i.e. not https)?
  - Is this related to draft-hoffman-server-has-tls?
  - Calendaring expert advise welcome
Issue #2

- Do separate Enumservices for scheduling and access make sense?
  - IOW: Is the URI used for scheduling always the same as the URI used for access?
  - This is somewhat related to Issue #1
How to proceed

- How to proceed with RFC 5333 bis:
  - Apparea WG Document [preferred]?
  - Any other existing WG?
  - AD sponsored?
  - New WG [probably not]?

Note: ENUM WG is not an option as it will be shut down shortly
Contact

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