Civic Address Boundaries

draft-thomson-ecrit-civic-boundary

"Within"

- LoST maps a location to a service if the location is "within" the associated boundary

  ◦ Each `<serviceBoundary>` element describes a set of civic addresses that fall within the service boundary, namely, all addresses that textually match the civic address elements provided, regardless of the value of other address elements.

- Definition is a little loose

  ◦ Especially for addresses with elements in multiple languages

Example

Tag	Value
country	DE
A1 (lang="de")	Bayern
A1 (lang="en")	Bavaria
A3 (lang="de")	München
A3 (lang="en")	Munich
RD	Marienplatz

Tag	Value
country	DE
A1 (lang="en")	Bavaria
A3 (lang="en")	Munich
RD	Marienplatz
LMK	Rathaus
PLC	government-building
PC	80331

Definitions

- Define what it means for one address to be considered "within" another
    - More rigorously than in RFC 5222
    - Deal with address internationalization concerns
    - Make the limitations clear
- Define basic operations useful for implementing rough-loc and other work
    - Union and intersection
    - Make limitations clear
    - Provide guidance to LoST server and location hiding implementers