

# Similar Location Extension to LoST

<http://tools.ietf.org/html/draft-marshall-ecrit-similar-location-01>

Document Authors:  
Roger Marshall, Jeff Martin, Brian Rosen

IETF81 – Quebec City  
7/25/2011

# Status

- Version -01 is a merging of similar-00 and returned-li-00
- The LoST validation mechanism currently only returns /valid, /invalid, or /unchecked qualifiers based on discrete civic address elements that are input
- This draft extends LoST for two use cases:
  - *Valid Address case: A “complete” set of civic address elements are returned when result is valid – based on what the LoST server has provisioned*
  - *Invalid Address case: One or more “similar” set(s) of civic address elements are returned, based on the data that the LoST has loaded*
- Used commonly among civic location applications given a “Address not found, did you mean:?”
- Simple ca: set of elements (rather than PIDF-LO)

# Provides Quality Feedback Mechanism

```
<A3>Seattle</A3>  
<RD>15th</RD>  
<STS>Ave</STS>  
<POD>NW</POD>  
<HNO>6000</HNO>
```

...

```
<ca:country>US</ca:country>  
<ca:A1>WA</ca:A1>  
<ca:A3>SEATTLE</ca:A3>  
<ca:RD>15TH</ca:RD>  
<ca:STS>AVE</ca:STS>  
<ca:POD>NW</ca:POD>  
<ca:HNO>6000</ca:HNO>  
<ca:PC>98106</ca:PC>  
<ca:PCN>SEATTLE</ca:PCN>
```

findServiceRequest  
w/ validateLocation=true

findServiceResponse "valid"

A complete civic location set gets returned based on data the LoST server has.

...

!– complete address

...



LoST  
Server

# Provides Quality Feedback Mechanism

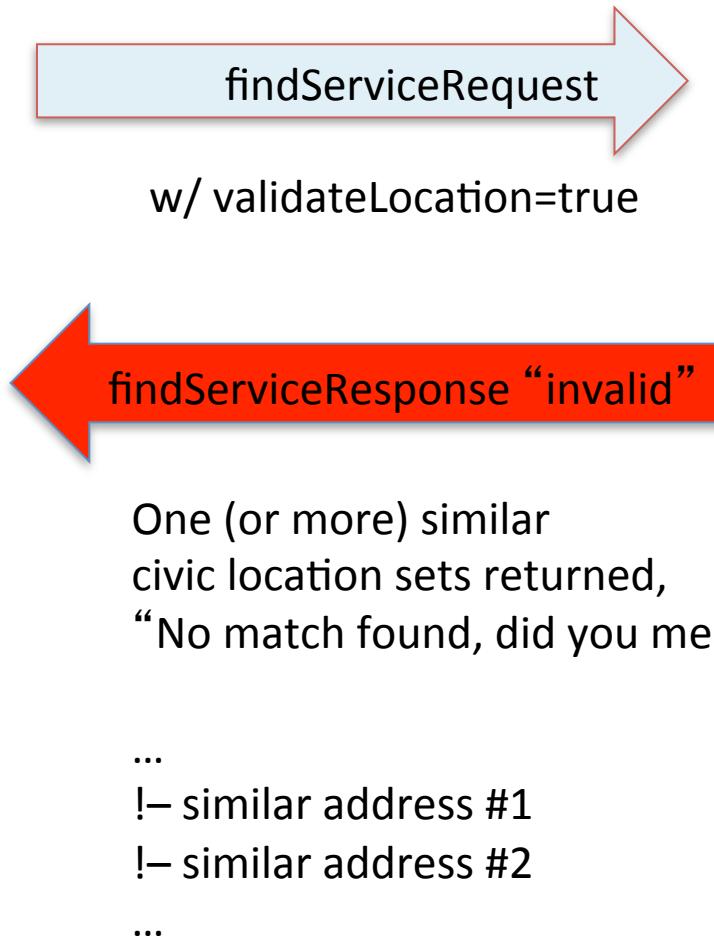
```
<country>US</country> <A1>WA</A1>  
<A3>Seattle</A3>  
<RD>15th Ave</RD>  
<HNO>6000</HNO>
```

...

```
#1  
<ca:country>US</ca:country>  
<ca:A1>WA</ca:A1>  
<ca:A3>SEATTLE</ca:A3>  
<ca:RD>15TH</ca:RD>  
<ca:STS>AVE</ca:STS>  
<ca:POD>NW</ca:POD>  
<ca:HNO>6000</ca:HNO>  
<ca:PC>98106</ca:PC>  
<ca:PCN>SEATTLE</ca:PCN>
```

#2

```
<ca:country>US</ca:country>  
<ca:A1>WA</ca:A1>  
<ca:A3>SEATTLE</ca:A3>  
<ca:RD>15TH</ca:RD>  
<ca:STS>AVE</ca:STS>  
<ca:POD>NE</ca:POD>  
<ca:HNO>6000</ca:HNO>  
<ca:PC>98105</ca:PC>  
<ca:PCN>SEATTLE</ca:PCN>
```



LoST  
Server

# Next Steps?

- Clean up, based on NENA comments so far:
  - <A6> replaced by <RD>
  - Remove <mapping></mapping> from similar result
- More examples to be provided
- Number of similar locations returned not defined
- Fix-up RelaxNG schema
- Needed as an ECRIT work group item
  - NENA 08-003 specifies like functionality