Location Coherence
coherent  |  kō'hi(ə)rənt  |  adjective

1 (of an argument, theory, or policy) logical and consistent: they failed to develop a coherent economic strategy. • (of a person) able to speak clearly and logically: she was lucid and coherent and did not appear to be injured.

2 united as or forming a whole: divided into a number of geographically coherent kingdoms.

ORIGIN mid 16th cent. (in the sense [logically related to]): from Latin cohaerent- ‘sticking together,’ from the verb cohaerere (see cohere).
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Practical Goals

• Overall: Minimize information loss along the “location pipeline”

• Facilitate conversion between existing interface standards
  – Enable interoperability among existing resources

• Provide a framework that can be used for new or updated interfaces
Consistency and Unity

• The basic design pattern is requesting and providing location
  – Request response vs. sub/not
  – Protocol messages or API calls/return

• Need common semantics for
  – Location Requests
  – Location Responses
  • ... in particular, location information per se
Off the CLIF

• Common Location Interoperability Framework
• Abstract model for location interfaces
  – Requests: Timing, accuracy, measurements, identifiers
  – Responses: Geodetic location, civic location, location references, timestamps, privacy rules
• Essentially a union over many inputs, with some patching of mis-matches
A Common Framework for Location Protocols

Questions for discussion

• Is this an interesting area of work?
• What should the scope of this work be?
• Should this work be done in the IETF? In GEOPRIV? Elsewhere?
• Who needs to be involved to make this work productive?
• Anyone want to help?