

Geodetic-Civic Address Translation Protocol

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Introduction

- Map a geodetic datum to a civic address and vice versa
- HTTP POST with one form of user specified location addresses
- Return standard errors and status codes

Coordinate System Translation

- Reverse Geocoding
- Reverse Geocoder Service Requirements
 - Given a Position, must be able to return one or more locations
 - The form of the returned address(es) must be based upon the user's preference
 - Must be capable of returning all location information of a preferred type within an area of interest
 - Must be able to indicate the number of matches in the response for a given request

Geocoding

- Geocoding
- Geocoder Service Requirements
 - Must be capable of using an address matching Geocoding algorithm to determine a position
 - Must be capable of performing geocoding using an incomplete address and return the complete set of address information
 - Must be able to indicate the number of matches in the response (possibly zero) for a particular address supplied in the geocoding request
 - Must be capable of processing one or more addresses in a single geocoding request
 - May return altitude, if the service supports

- The civic address includes the header fields that are defined in [RFC5139].
- Recommend to follow if there is a national or regional standard (and schema) exists for encoding addresses
- Accuracy
- Error Codes

Open Issue

- Re-frame this draft as more about the inclusion of a <presence> element in a HELD request, rather than about geocoding specifically

Next Step

- WG draft?