



GEO-ENABLING GOVERNMENT BUSINESS PRACTICES

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT'S (HUD's)

GEOCODING SERVICES



Background: Proper address management and standardization is critical for making government more effective and accountable.

Value Statement: Geo-enabling HUD's data improves program performance and supports policy and decision-making. HUD's enterprise-wide Geocode Service Center provides a single source of geocoding services across the Department, reducing costs, increasing quality, and providing opportunities to create new products and services.

Geocoding Challenges:

- Poor or variable quality of existing address information
- Inconsistent use of base maps and geocoding services within and across programs and agencies
- Lack of understanding within agencies of the critical importance of address information in a geospatial IT environment



How Has HUD Addressed These Challenges?

- The Geocode Service Center (GSC) has developed a standard set of address data quality and geocoding services that provide a consistent, high quality method for enhancing address information and assigning geospatial codes and coordinate information.

What Functions Does The Geocode Service Center Provide?

- Agency-wide services for address validation, standardization, and matching (3.5+ Million records monthly on-line volume experienced)
- Options for batch, on-line, or point-of-entry address validation and geocoding
- High data quality, timely information, cost-effective, and tailored to customer needs
- Assigns geographic codes to an address:
 - Census Codes: Congressional District, County, Place, Tract, Block
 - HUD Codes: Qualified Census Tracts, HUD Underserved Areas, Revitalization Areas
 - Postal Codes: ZIP+4, Delivery Point Bar Code, Address Type
 - Geographic Coordinates: Lat/Long
 - Return Codes: Data Quality/ Confidence Levels

How Can You Leverage HUD's Geocoding Service Center (GSC) Model?

- Learn from HUD's approach and techniques to improve your data
- Take advantage of existing standardized, robust geocoding services to meet program needs
- Improve address and geographic code use and consistency across your organization
- Reduce duplication of effort, lower costs, and enhance data quality using common services
- Embed locational awareness and intelligence within your projects
- Allow your personnel and contractors (e.g., research) to use resources to focus on data analysis rather than address matching
- Increase intra and interagency collaboration to share and reuse existing services

For Additional Information, Please Contact:

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