Update on National Address Database Pilot

FGDC Steering Committee – June 16, 2016
Minimum Content Guideline – 3 Components

The Address itself
- Address Number
- Street Name
- Subaddress
- City/Town/Place
- County
- State
- Zip

Geographic Location of the address
- Lat/Long
- National Grid Coordinates

Metadata about the address
- Address authority
- Address source
- Address date
- Unique ID
- Type (residential, commercial, etc.)
- Placement (rooftop, driveway access, etc.)
Pilot Participants Compiled Into NAD Schema
Data Sources:

• Countywide **E911 Address List**
  – 18k records
  – Some missing zip/city info
  – Some basic data scrubbing needed

• **Countywide centerlines existed**
  – No data scrubbing needed!

• **Countywide parcels**
  – 79% had some address info
  – Data standardization was needed
    • E.g., for city name, address field, etc.
Jackson County, AR Geocoding Approach

• Multiple geocoding sources were used:
  – Melissa Data (commercial geocoding service)
  – County Parcels
  – County road centerlines
  – Census road centerlines

• If an address wasn’t matched in one source, the next source was used.

• Achieved a 77% overall match rate from the 18,469 records
<table>
<thead>
<tr>
<th>Source</th>
<th>Total Records Matched</th>
<th>% Matched*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melissa Data</td>
<td>7,073</td>
<td>38%</td>
</tr>
<tr>
<td>Parcel Centroids</td>
<td>1,700</td>
<td>9%</td>
</tr>
<tr>
<td>County Centerline</td>
<td>4,112</td>
<td>23%</td>
</tr>
<tr>
<td>Census/Tiger Centerlines</td>
<td>1,347</td>
<td>7%</td>
</tr>
<tr>
<td><strong>Totals:</strong></td>
<td><strong>14,232</strong></td>
<td><strong>77%</strong></td>
</tr>
</tbody>
</table>
What’s Next

Pilot Phase
• Make available data with AZ, AR & Boone County, MO
• Finalize report Q3 FY16

Development
• Choose platform
• Initiate work with states that are prepared to develop ETLs (no cost)
• Identify funding to launch
• Launch Data Challenge for “have nots”
Data Challenge

• Goal: develop an app to gather crowd sourced address information
  – Must collect the items identified in the minimum content guideline

• App can be used by
  – Local police and firemen
  – Real estate agents
  – Boy Scouts and Girl Scouts
  – FEMA Corps
  – Public

• Resulting address information would be used as “seed” data for local governments with no data and for QC/QA of existing data
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