

Oregon's Address Point Data Repository Project Leveraging Resources



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Address Point Data Repository

Creating statewide address repository

Compilation of local address points

Oregon has 290+ address authorities

Different capabilities, technologies

Addressing process is similar for all

Messy, not standardized statewide

No address repository exists now

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Address Point Data Repository

- Primary business driver is public safety
- Coordinating with 911, Broadband, GIS
- Held meetings with address authorities
- Summits in 4 places with large groups
 - Address Authorities, PSAPs, GIS Managers
- Working with regional address data aggregators on technical processes
- Data structure based on national standards
 - FGDC data content and NENA exchange



Connecting to Existing Applications

An enterprise address repository

- Supporting authoritative addresses and data connectivity across the enterprise of government in Oregon
- Making the Address Repository the "go-to" place for addresses for government agencies
 - Quality assurance and documentation provide "evidence" of the value of the data
- Places GIS and addresses at the center of enterprise business processes
 - Addresses are the common thread through most organizations' applications and work flows

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Address Repository Project WBS



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Standardizing the Data

Extract/Transform/Load Tool(s)

- Means no one has to change their process
- Does NOT change the address information
- Address Creation/Editing Tool(s)
 - Operated by local address authorities
 - Intended for those that don't have tools now
 - Gets data to repository after QA/QC

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Secure, role-based access

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Easy to navigate, familiar look and feel



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Easy navigation, search tools



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Multiple base maps, including current aerial photography



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Straightforward data entry or editing

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QA/QC Procedures

Initial File Checks

Format Extent Schema

Completeness

Review Random Sample of Points

Geometry accuracy Attribute accuracy

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Next Steps

- Evaluating COTS and open source tools for address creation/editing
- Initiating pilot projects with four counties to test various work flow situations
- Looking at ETL options, including FGDC-funded tools and FME



Leveraging Broadband Grant Resources

- Initial grant created data model, populated with four counties' data
- Cost about \$275,000, subcontracted to Sanborn
- Supplemental grant allows additional work (approx. \$175,000) for project manager, ETL tool, and web-based repository maintenance tool

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Leveraging 911 Resources

- Oregon Emergency Management is already spending \$6,000/month/PSAP on data
- That amounts to about \$3.3M/year
- Some amount of that (not sure how much) is dedicated to address points
- A local company has contracts with 18 counties to develop address points using 911 funds



Coordination Efforts

- Our team & OEM met several times with the company creating address points
 - Discussed and agreed on data model
 - Developed understanding of QA/QC they do
 - Tightened relationship for future work
- Our team met with many address authorities in small groups around the state
 - Inform them about the Address Repository project
 - Find out about their work flows
 - Get their endorsement of the project

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Project Charter

- Co-sponsored by OEM and CIO
- Project goal: create a statewide address point repository from local, authoritative data, accessible to all government agencies
- Project will build on existing investments in address point creation and planning efforts
- Project funding will be provided jointly by OEM and CIO





Thank You

For further information, please contact:

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